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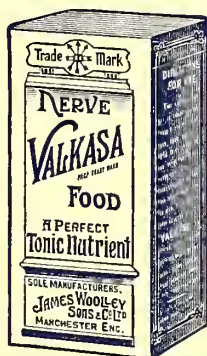
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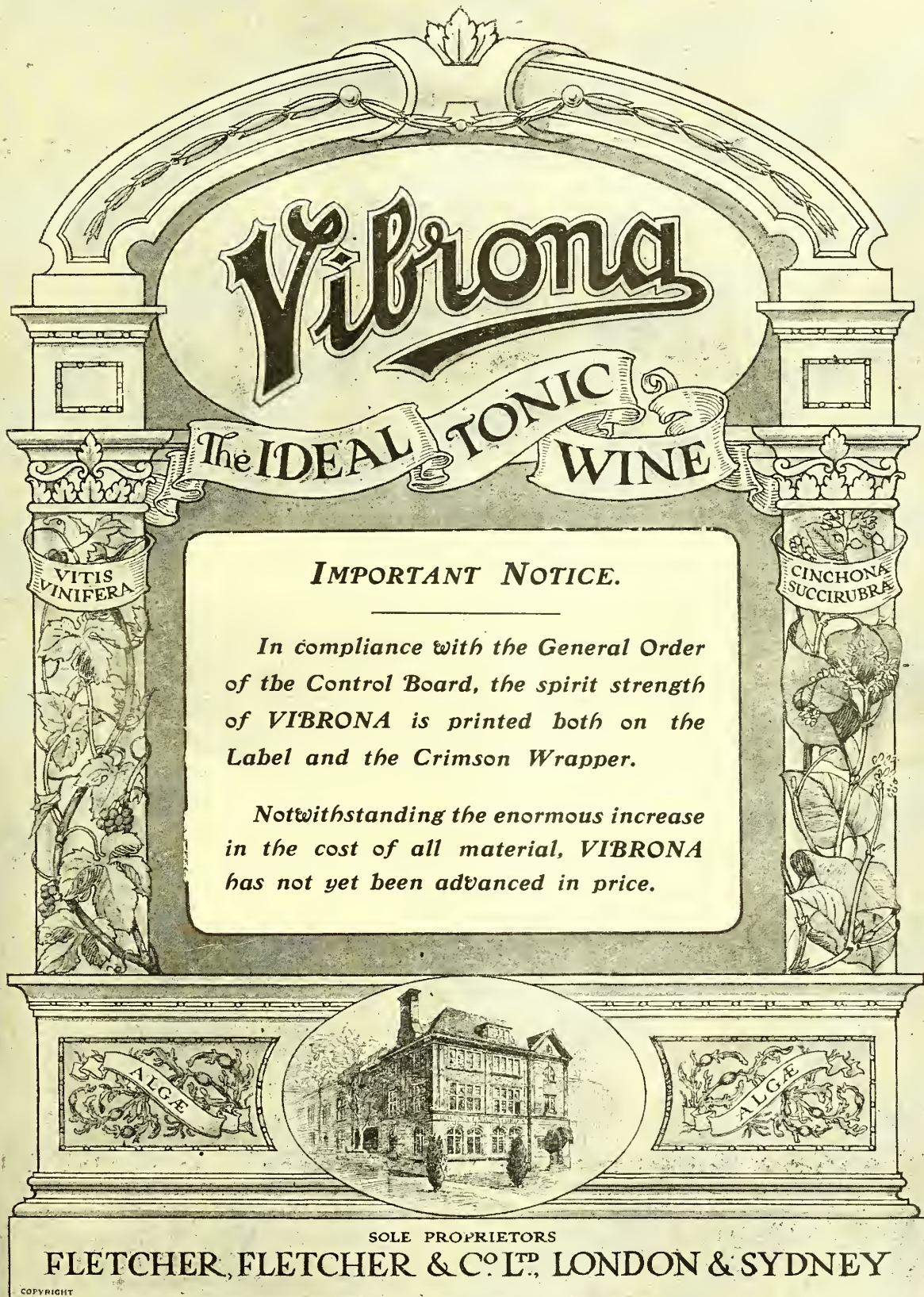
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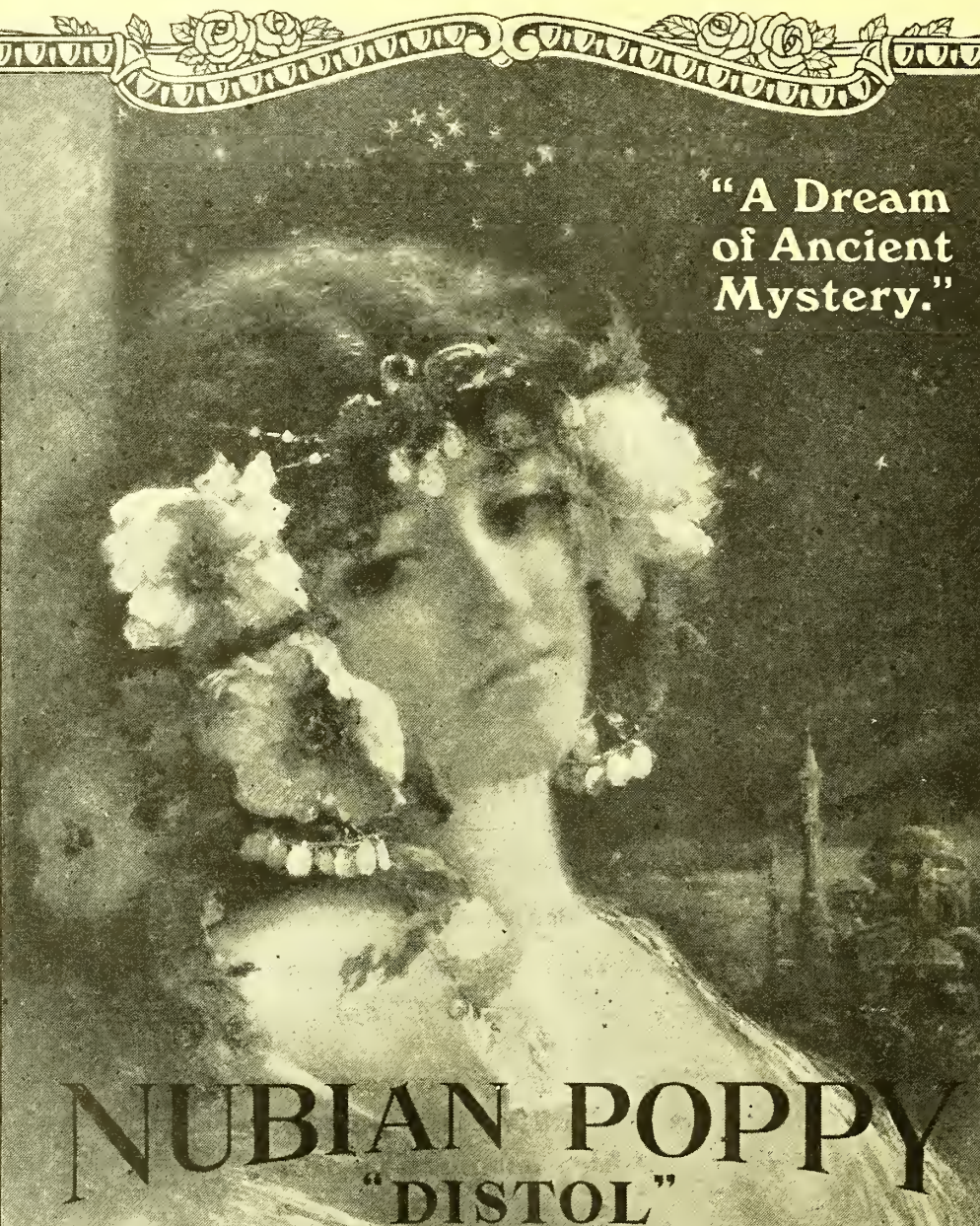
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# INDEX TO ADVERTISERS IN THIS ISSUE.

For more complete Buyers' Guide see "The Chemist & Druggist" Diary, 1916.

The Arabic numerals (1 to 32) in this Index refer to Advertisements in front of the literary pages, the Advertisements following the literary pages are numbered in Roman numerals (i to xiv).

AEARATORS, Ld., Prana Sparklets.....Cover	FABRA CO., Ld., Chemicals.....iv	MUNN, W. A., Cod Liver Oil.....Text 928
ALLCOCK MANUFACTURING CO., Plasters, &c.....xix	FAIRCHILD BROS. & POSTER, Digestive Products, Foods, &c.....Cover	MUMFORD, G. S., & SONS, Starch Powder, Linseed Text 928
ALLEN & HANBURY, Ld., Packed Goods, Foods, &c. 15	FAIRE BROS. & CO., Ld., Sealing Machines.....18	NATIONAL CASH REGISTER CO., Ld., Cash Tills.....9
ALLEN, STARFORD, & SONS, Ld., Essential Oils, Drug Grinding, &c.....xiii	FARLEY, F. CO., Vermin Killers.....xvi	OLDFIELD, PATTINSON & CO., Opium, Dairy Specialities, Pharmaceutical Preparations.....5
ALLIANCE DRUG & CHEMICAL CO., Drugs, Chemicals.....iv	FAULDER, F. H., & CO., Emulsion, Soap.....13	OKRIDGE & CO., Chemists Valuers.....Col. Supp.
ANGLO-FRENCH DRUG CO., Ld., French Proprietarys, Salvarsan Substitutes, Hypodermic Syringes vi	FERRY, T., & SON, Ld., Medical Glassware.....29	OWBRIDGE, W. T., Ld., Lung Tonic.....20
ASHTON & PARSONS, Ld., Homeopathic Preparations xxiii	FIELD, J. C. & J., Ld., Toilet Soaps.....22	PETRI BROS., Chemicals.....10
ASIATIC PETROLEUM CO., Ld., Paraffin Wax.....19	FINK, F., & CO., Gums.....xvi	PEXTON, CHATHAM, Photo Development.....20
BAILEY, ROBERT, & SON, Gauzes, Surgical Dressings xix	FLETCHER, FLETCHER & CO., Ld., Liquors.....3, Text 924	PHARMACEUTICAL LANOLINE CO., Lanoline.....viii
BAKER, PARSON G., Chemists' Valuers.....Col. Supp.	FLOREY, HARTLEY, Chemicals.....xix	PICERNO, V. A., Chemicals.....xvi
BARBER, R., & SON, Infants' Preservative.....ix	FORSYTH, E., & SON, Ld., Soap and Chemical Plant 13	PICKARD, IVE & RANKIN, Ld., Acetyl-Salicylic Acid xx
BARNETT & FOSTER, Aerated Water Machinery.....Cover	FRAME FOOD CO., Ld., Foods.....12	PODMORE, B., & CO., Carbon Papers, &c.....xvii
Soluble Essences.....xxiv	FUERST BROS., Chemicals (Pure and Technical).....viii	PRESTON'S LIVERPOOL DISTILLERY CO., Ld., Methyated and Rectified Spirits.....22
BATLEY, LEWIS, & CO., Ammonia Liquor.....xvi	GARDNER, W., & SONS (Gloucester), Ld., Grinding and Mixing Machinery.....10	PRICE'S PATENT CANDLE CO., Ld., Glycerin, Soaps 26
BROCKER, SHILLAN & CO., Chemicals.....v	GIBBINS, R., & CO., Tablets.....Col. Supp.	RADIUM SALT CO., Bath Salt.....xvii
BECHEAM, T., & SON, Pills.....xvii	GIGNOUX FRERES & CO., French Specialities iv, xi, xiv	RAWORTH, J. E., Patent Agent.....xvi
BELL, JOHN, HILLS & LUCAS, Ld., Pharmaceutical Specialities, Lysol, Nerve Food.....Cover	GLEW, H. HARRISON, Ld., Inhalers.....19	RENDELL, W. J., Pessaries.....xx
BERDOE & FISH, Chemists' Valuers, &c.....Col. Supp.	GOWER, JOHN, Books (Secondhand, &c.).....Col. Supp.	RICHFORD, C. D., Rubber Stamps.....xvi
BLACKIE, ROBERT, Ointments, &c.....xii	GREEFF, R. W., & CO., Chemicals (Fine and Technical).....7	ROBERTS, A. E., Conch Linctus.....xiii
BLYTHE, W., & CO., Ld., Epsom Salts, Zinc Sulphate BOEHM, F., Ld., Chemicals, Olive Oil, Essential Oils 25	HAIR, B. W., & SON, Asthma Preparations.....xix	ROYAL PHARMACEUTICAL LABORATORIES, Absolute Alcohol.....xx
BONDS MARKING INK, "Crystal Palace" Brand.....23	HALDER, E. C., Dental Mechanics.....xvi	RUBECK, H., Essential Oils, Thymol.....Text
BRASSEUR (LE) MNFGE. CO., Rubber Goods.....xvii	HAMMETT, F. S., Safety Razor Blades.....19	RUDDUCK & CO., Chemists' Shop Fittings.....Col. Supp.
BRITISH DIAMANT CO., Foods.....22	HARKER, C. R., STAGG & MORGAN, Ld., Hair Dyes, Packed Goods, Galenicals.....19	SANGERS, Druggists' Sundries, Packed Goods.....30
BRITISH DRUG HOUSES, Ld., Chemicals, Pharmaceutical Goods, &c.....32	HARLEY, T., & SON, Ld., Cinchona Preps., Quinine, Sodium Bicarbonate, Fine Chemicals.....xvii	SANTAS CO., Ld., Disinfectants.....Text 928
BRITISH PASTEUR-CHAMBERLAND FILTER CO. 14	HASKINS, SAM'L, & BROS., Window Shades.....18	SCHAEFER, EMIL, & CO., Chemicals (Series).....ii
BRITISH WHEAT SALTS CO., Cream of Tartar Substitute.....16	HENRY, T. & W., Calmed Magnesia.....xx	SCHOLL MANUFACTURING CO., Ld., Foot Appliances ix
BROWN, B., & BRO., Drugs, Chemicals, Vegetable Oils xv	HEWLETT, C. J., & SON, Ld., Pharmaceutical Preps. 14	SHADEINE CO., Hair Dyes.....xvii
BROWN & SON, Water Stills.....20	HEYMANN, H., Chemicals.....xvi	SINGLETON & COLE, Ld., Tobacco and Cigars.....xvi
BRUNNER, MOND & CO., Ld., Alkalies.....1	HOLLANDSCHE MELKSUIKERFABRIEK, Milk Sugar HOWARDS & SONS, Ld., Cinchona Preps., Quinine, Sodium Bicarbonate, Fine Chemicals.....xvii	SMITH, T. & H., Ld., Alkaloids, Resins & Resinoids.....12
BUNCHER & HASELER, Ld., Aluminium Boxes, &c.....xvi	HOYLE, J. T., & CO., Aniline Dyes.....xvii	SOLAZZI, Liquorice.....xv
BURGE, WARREN & RIDGLEY, Ld., India-Rubber Goods, Air Cushions, Anti-Rheumatic Rings.....28	HUISKING, G. L., American Drugs, Chemicals, &c.....ii	SOUTH OF ENGLAND SCHOOL OF PHARMACY 8
BURNSIDE & CO., Eucalyptus Oil.....xii	INGRAM, J. G., & SON, Indian Rubber Goods, Teats.....26	SPENCER, ISAAC, & CO. (Aberdeen), Ld., Cod Liver Oil 19
BURROUGH, J., Ld., Rectified & Methyated Spirits, Absolute Alcohol.....Text 928	INTERNATIONAL PLASMON, Ld., Foods.....13	SQUIRE & SONS, Ld., Pharmaceutical Proprietarys.....Cover
BURROUGHS WELLCOME & CO., "Tahloid" Preps. 31	JOB BROS. (Newfoundland), Cod Liver Oil.....29	STEAD & CO., Photographic Experts.....Col. Snpp.
BURT, BOULTON & HAYWOOD, Ld., Disinfectants, Sheep Dips.....Cover	JOSEPHS PHILIP, & SONS, Ld., Shopfittings 2, Col. Supp. xvi	STEDMAN, Dr., Teething Powders.....xii
BUSH, W. J., & CO., Ld., Essences, Perfumery, Fine Chemicals.....Cover	KEMP'S VULCANISING CO., Ld., Vulcanite Goods.....xvi	STERN SONNEBORN OIL CO., Ld., Petroleum Jelly 25
BUTLER, E. H., & SONS, Acetanilide, Aniline Dyes.....iv	KENT, G. B., & SONS, Ld., Brushware (all kinds).....25	STIMPEN STOPPER CO., Bore Stoppers.....10
CADBURY BROS., Ld., Cocoa.....Cover	KERFOOT, T., & CO., Acetyl-Salicylic Acid.....4	STOKES, C. A., & CO., Ld., Shaving Sticks.....xvi
CAMWAL, Ld., Mineral and Aerated Waters.....xxii	KINGSLEY & THACKERAY HOTELS, Ld., Hotels.....29	SUTLEY & SILVERLOCK, Ld., Cocaine Register.....6
CHATELAIN, J. L., French Medicinal Proprietarys.....xi	KOLENE CO., Hair Preparations.....29	THERMOS, Ld., Vacuum Flasks.....27
CHESTER, A. D., & CO., Ld., Chemicals.....x	KRASKA CO., Toilet Articles.....xx	THORLEY, S., Ld., Methyated Spirit.....25
CHRISTY, T., & CO., Toilet Articles, Tartar Remover, &c. xvii	KUTNOW, S., & CO., Ld., Saline Preparation.....17	TIDMAN & SON, Ld., Sea Salt.....29
COLLEGE OF OPTICS, Optical Tuition.....8	LAPORTE, B., Ld., Hydrogen Peroxide.....xv	TITERTON & HOWARD, Brushware (all kinds).....24
COLLEGE OF PRECEPTORS.....6	LAZARD-GODCHAUX CO., Ld., Chemicals, Dyestuffs LEVERMORE, A., & CO., Ld., Chalk (Precipitated).....xvi	TOLKOWSKY, S., Russian Crude Drugs, &c.....vi
COOK, E., & CO., Ld., Soaps, Perfumery, &c.....21	LOFTHOUSE & SALMER, Ld., Foods, Asthma Remedies 12	TOMLINSON & HAYWARD, Ld., Wood-killers.....20
COOPER, SON & CO., Ld., Cachets.....xvi	LONDON COLLEGE OF PHARMACY, Educational.....8	TOMLINSON, THOS., & SON, Chemists' Valuers Col. Supp. ii
COX, A. H., & CO., Ld., Pills, Tablets, Proprietarys 1	LONGGROFT, H. M., Druggists' Sundries.....xvii	TOMODA & CO., Japanese Products.....27
CRESSWELL BROS. (Branch International Sponge Importers, Ld.), Sponges, Loofahs.....xxi	LUDY & CO., Silver Salts, Tannin Preps.....xvi	TOOGOOD, W. Ld., Druggists' Sundries.....9
OUXSON, GERRARD & CO., Ld., Surgical Dressings, Toilet Articles, &c.....28	MGLASHAN, D., Fruit Drink.....6	TOWNSEND, J., & SONS, Chemists' Printing.....8
DARTON, F., & CO., Optical and Scientific Goods.....9	MCKESSON & ROBBINS, American Drugs.....vii	UNIVERSITY OF BRISTOL.....8
DAY & SONS (Crew), Ld., Proprietarys.....xviii	MACNAIR, A., & CO., Methyated Spirit, Rectified Spirit, Absolute Alcohol.....xv	VAN HORN & SAWTELL, Surgical Ligatures.....xvi
DEGEN, F. A., Advertising.....10	MALLINCKRODT CHEMICAL WORKS (Canada) Ld., Chemicals (American).....xv	VISCOSE DEVELOPMENT CO., Ld., Self-fixing Caps.....10
DENOVAL, J., & CO., Capsules, Lozenges.....xii	MANCHESTER MUNICIPAL SCH. OF TECHNOLOGY MARTINDALE, W., Chemicals (Technical and Fine).....xiv	WAIDE, THOS., & SONS, Chemists' Printing.....10
DIGESTIVE FERMENTS CO., Pepsine, Peptone, &c.....18	MAW, S., SON & SONS, Druggists' Sundries, Packed Goods, Surgical Instruments, Vacuum Flasks.....11	WALFORD & CO., Ld., Baking Powders.....xvii
ELEY BROS., Ld., Nickelated Shaving Stick Thins, &c.....24	MAY & BAKER, Ld., Chemicals.....12	WAND MANUFACTURING CO., Capsules, Pills, Tablets ix
EXPRESS DEVELOPING CO., Photographs.....6	MELLIN'S FOOD, Ld., Protein Preparations.....14	WASHINGTON CHEMICAL CO., Ld., Magnesia & Salts Cover
	MILLAR, A., & CO., Ld., Orange Quinine Wine.....xix	WATFORD MANFG. CO., Ld., Summer Beverages.....13
	MONSANTO CHEMICAL WORKS, Glycerophosphates xiv	WENGERS, Ld., Pottery Chemicals.....xv
	MULFORD, H. K., CO., Bacterins, Serums.....x	WEST, THOS., & SON, Perfumery.....20
		WESTMINSTER COLLEGE OF PHARMACY.....8
		WHIFFEN & SONS, Ld., Emetine Salts, Quinine, &c. 19
		WHITAKER & CO., Hat Dyes.....24
		WHITE TAR COMPANY, Disinfectants.....viii
		WIENER, ROBT., O., & CO., Drugs, Chemicals, Waxes ix
		WOOLLEY, JAS., SONS & CO., Ld., Galenicals, Foods Cover

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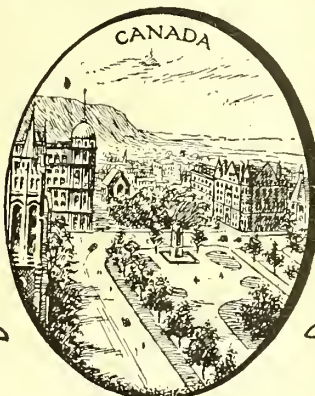
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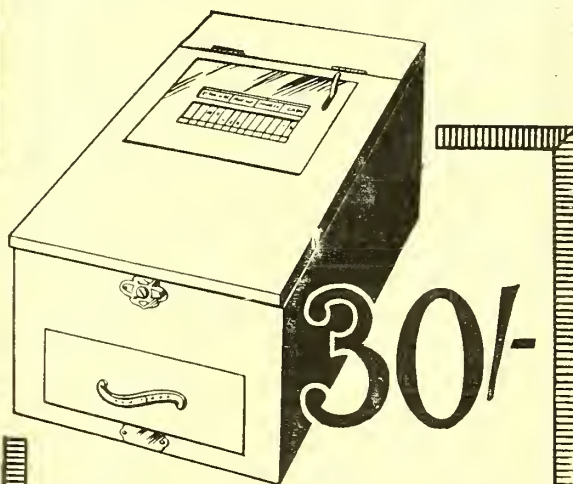
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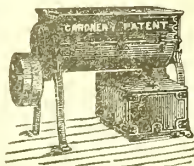
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**Page**

NUMBER 255

SEP. 2, 1916

HOURS OF BUSINESS : 8.30 a.m. — 5.30 p.m.

CLOSE AT 1 p.m. SATURDAYS

## Ninety Per Cent.

The writer of the "Office Window," a column of general notes in the *Daily Chronicle*, told as follows a conversation he had with a South Coast chemist :

"I suppose your summer sale of tooth brushes to visitors is large?" "Enormous," he replied; "ninety per cent. of our visitors forget to bring tooth brushes, and five per cent. buy new ones." He drew out drawer after drawer, each filled with tooth brushes; and, pointing to large cases that made a frieze over the topmost shelves of his roomy shop, he said, "Every one of these boxes is packed with tooth brushes, and I'll sell the lot before the end of October."

Here is an interesting statistical aspect of the tooth brush trade.

Although only five per cent. of the absent-minded visitors purchase new brushes, this particular chemist, with his large selection, is satisfied that he will dispose of his stock "before the end of October."

Taking these figures as an average percentage, it proves that a large number of holiday-seekers dispense with tooth brushes during their sojourn by the sea if they should omit to pack them in at the last moment.

This is not as it should be.

By means of a little window-card campaign many of these visitors could be made to want a brush. There is not much expenditure attached to the purchase of such a necessary toilet requisite. It is more the trouble of shopping that makes folks "leave it until they return home."

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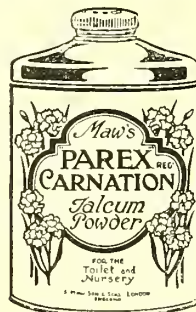
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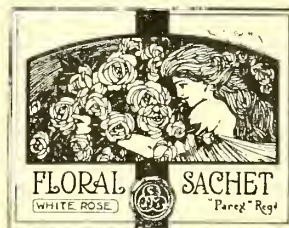


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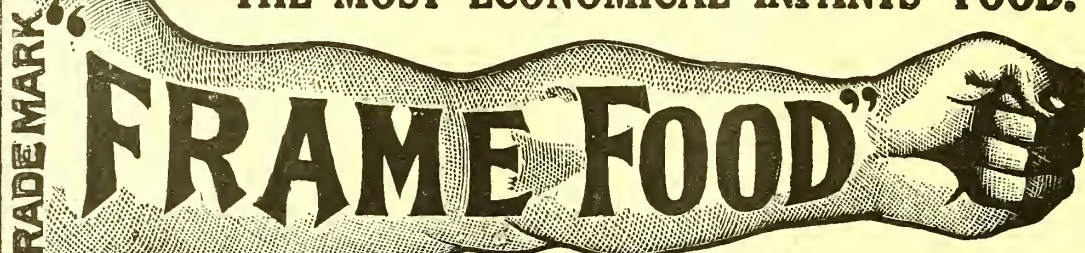
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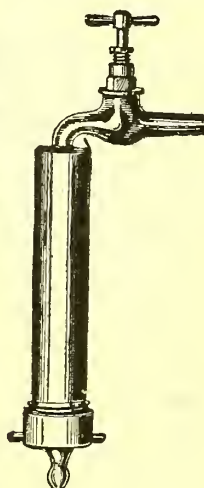
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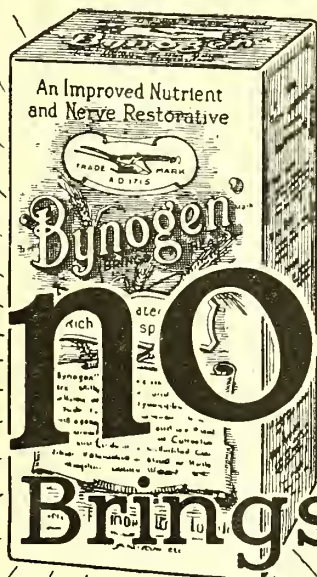
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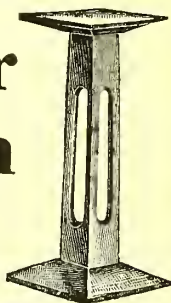
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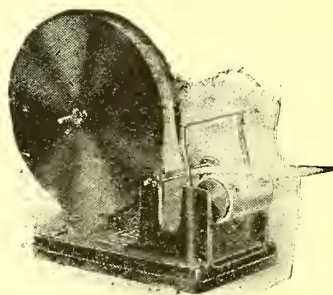
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Applicators prepared. Radium Salts Bought, Sold, Exchanged,  
and Certificated against International Standards.**F. HARRISON GLEW, M.P.S., Radiographer,**  
156 Clapham Road, LONDON, S.W.OVER 100 % PROFIT  
ENSURED & PROTECTED (P.A.T.A.)  
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## Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail	Minimum wholesale.	
1/-	1/-	7/6	} per doz. less 5 % discount
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

### SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

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ALL BUYERS OF

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HIGH GRADE  
... WAX ...*

APPLY TO

**ASIATIC PETROLEUM CO. LTD.**  
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# SEED DRESSING SEASON.

We shall be pleased to send samples and quotation for our well-known Carbolized Seed Dressing and Ground Vitriol, or to quote for any special formulæ, packed under agent's own name. If you have inquiry for **LIQUID SEED DRESSING**, we can supply an approved formula. Sulphate of Copper, Green Copperas, &c., at lowest prices.

**TOMLINSON & HAYWARD, Ltd.,** Agricultural Chemists, **LINCOLN.**

## OKELL'S ORIGINAL MONA BOUQUET.

(First introduced by the late JOSEPH O'KELL).

Registered Trade Mark, "DOUGLAS PIER."

The most popular and best-selling perfume in the market.

Retail Prices ... 1/-, 1/9, 3/6, 6/-, 7/6, 10/6, per Bottle.

**ALSO 3d. SAMPLE BOTTLES.**

Shippers and Wholesale Buyers supplied on the best terms by  
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(WHOLESALE ONLY.)

**EPSOM SALTS, ZINC SULPHATE  
HYPO. SODA, LEAD ACETATE  
BEECHWOOD CREOSOTE  
CARBONATE POTASH  
And other Chemicals.**

**PETRI BROTHERS,**

39 LIME STREET - - LONDON, E.C.

**Solyptol  
SOAP**

TOILET  
SOAP, 10d.

SHAVING SOAP, 10d.

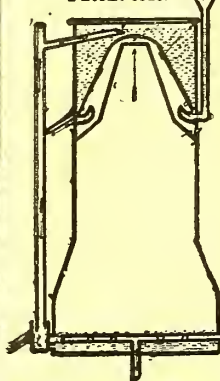
**A READY SELLER WITH GOOD PROFIT.**

Chemists should write for terms.

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Adelaide, Perth, Sydney, Australia.

Stocked by all Patent Medicine Vendors.

Patent 6916.



### TO MANUFACTURING AND WHOLESALE DRUGGISTS, &c.

We beg to call attention to the fact that our well-known Patent Stills are made for heating by steam pressure. Where this is available it forms a very cheap and efficient method of obtaining distilled water. Any pressure will suit from 10 to 200 lb., made in various sizes to produce from 1½ to 15 gallons PER HOUR. Cost of distilled water made this way is practically nil. As with our Gas Stills, these are perfectly automatic. Prices as below:-

For producing up to	1½ gallons per hour.	£3 10 0	
" 5 "	" "	£10 0 0	+20%
" 9 "	" "	£12 10 0	
" 15 "	" "	£16 10 0	

The few most important places we give below afford evidence of the quality, efficiency and economy of the Steam Stills:- National Physical Laboratory, 2 in use; Imperial College of Science 8 in use; University of Wales; Pharmaceutical Society; Guy's Hospital Bacteriological Department; and many of the leading Breweries and Drug Houses, etc. etc.

Pamphlets & particulars forwarded on application

Estimates submitted free if required for supplying and fitting complete.

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(Late 25 Charlotte Street, N.)



"The very rats instinctively had quit it."—Shakespeare.

The Rats will "quit it" and never return if your customers use "Rodine," the rapid rat remover. Your customers will return to thank you for recommending

**"RODINE."**

It gives satisfaction always, and yields nearly 100 per cent. profit.

See you get your return.

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BLACK & RED LABEL



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Cook's "CUTANEOUS," Black and White Label, has for years enjoyed a well-deserved popularity, and we now recommend the Medicated quality, Black and Red Label, to you with every confidence. It is a sure seller.

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# RECOMMEND THE PROTECTED BRAND

AND SUPPORT THOSE WHO SUPPORT YOU. IT PAYS YOU TO PUSH THIS INK IN PREFERENCE TO NON-PROTECTED MAKES. IT IS NOT ONLY THE BEST, BUT SHOWS YOU THE MOST PROFIT.

**40%  
MINIMUM  
PROFIT**

**JOHN BOND'S  
"CRYSTAL PALACE"  
MARKING INK.**

**FIXED  
SELLING  
PRICES**

With or without heating, whichever kind is preferred.  
Please specify when ordering.

As supplied to the Royal Households, and awarded forty-five Gold Medals, etc.

"THE ANTI-CUTTING RECORD" says:—"We are strongly of opinion that John Bond's 'Crystal Palace' Marking Ink should not only be kept in stock, but, in common fairness to the Proprietor, distributors may justly give this well-known line all the display, recommendation and push in their power."

**N.B.—This is not a cut 6d. Marking Ink, sold at the Stores for 3½d.**

**TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.  
FOR QUOTATIONS apply to—**

**PRESTON'S LIVERPOOL DISTILLERY CO., LD.**

The Largest Makers in the Kingdom.

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**"SIANARA" (Regd.) Toilet Soap**

**With the Enchanting Perfume of OLD JAPAN.**

**AN ENTIRELY NEW LINE IN  
ROUND BATH**

**To sell at 5d., 4½d., 3d., & 2d. per tablet.**

**Let us Quote you for your Proprietary Soaps.**

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Telegrams: "OZOKERIT, LAMB, LONDON." ESTABLISHED 1642.

Telephone: HOP 3905.



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OF GENERAL PHARMACOLOGY,**

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**CHAPOTEAUT'S  
CAPSULES of  
PHOSPHOGLYCERATE  
of LIME.**

THE BEST TONIC FOR  
FORTIFYING AND BUILDING UP  
THE NERVOUS SYSTEM.

Sold by all Chemists,  
Wholesale: 8, Rue Vivienne,  
PARIS.

**MORRHUOL CHAPOTEAUT**



**CAPSULES**

MORRHUOL DE CHAPOTEAUT  
is extracted from cod-liver oil, and  
contains all its efficacious prop-  
erties without the disagreeable taste.

*It cures Coughs, Bronchitis and Catarrh,  
restores the appetite, and gives force to  
feeble persons.*

SOLD BY ALL DRUGGISTS.

**CHANDRON'S  
DROPS**

(Gouttes des Colonies)

A harmless antiseptic  
preventative against CHOLERA-  
FERMENTATION - INDIGESTION  
Other intestinal disturbances.

**SOLD BY ALL CHEMISTS**



*I find the odor exquisite and  
well as charming to have scented  
by my name. Very sincerely  
Wm. R. Rigg*

**PARFUM  
MARY  
GARDEN**

**RIGAUD**

PARFUMEUR

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PARIS.

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## ELEY BROTHERS, LIMITED

specialise in the manufacture of the following articles at the lowest prices :

### Shaving Stick Cases

### Oval and Round Tops

for Powder Tins, Cruets, Dredgers, etc.

### Metal Boxes

for Dentifrices, Soap Tablets, etc.

### Ferrules

for Walking Sticks, Whips, Bamboo Fittings, etc.

### Pencil Fittings

in any of the following metals : Brass, Copper, or White-metal (nickel or silver - plated), Aluminium and Jewellers' Metal (Tombac).

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Make your old Hat a new one.

In bottles, 7d. each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

NO GLOSS. NO POLISH.

On the P.A.T.A.

WRITE FOR TERMS, PATTERNS. ALSO LEAFLET OF TESTIMONIALS.

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"Glossy" Series supplied if desired.  
Special Non-Inflammable Series for Export. Est. 1871.  
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CELEBRATED

## HAIR BRUSHES

GOOD PROFITS are made by selling TITTERTON'S CELEBRATED BRUSHES

(Hair, Tooth, Nail & Shaving Brushes).

They have a world-wide reputation for excellence of quality, and perfection of workmanship. Should be stocked by all Chemists desiring to give the public the best value for money.

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# WHITE OILS

HALF-WHITE AND COLOURED MINERAL OILS.

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## OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.

Write for Prices. ESTABLISHED 1794.

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## WHITE MARSEILLES SOAP

SO-CALLED CASTILE SOAP  
60-65 per cent. FATTY ACIDS.

*A PURE VEGETABLE OIL SOAP*

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Estd. 1777.



Incd. 1900.

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BRUSHES.**

Diary, 1916, pp. 96, 97.  
Summer Issue, 1916, pp. 66, 67.

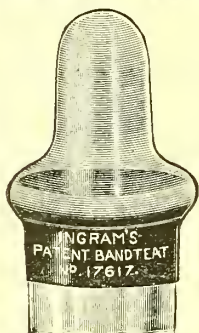


**Profitable and Reliable  
India-Rubber Goods for  
Chemists.**

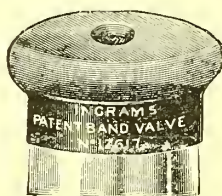
**INGRAM'S**  
*"Agrippa"*  
PATENT No 17617

**Band Teat and Valve**

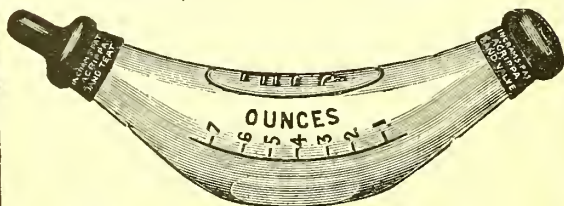
**BRITISH MADE**  
by  
**BRITISH LABOUR.**



"AGRIPPA" BAND TEAT  
(Black or Transparent Rubber)



"AGRIPPA" BAND VALVE  
(Black or Transparent Rubber)



**IMPOSSIBLE TO SLIP OFF  
PERFECTLY STERILIZABLE**

The "AGRIPPA" Band Teat will fit any shape Feeding Bottle, and will not slip off.

Goods.	Minimum Wholesale Prices to Chemists.	Minimum Retail Prices.
"AGRIPPA" TEAT (Patent No. 17617). Black or Transparent.	2/6 Per Doz. net. 27/6 Per Gross net. (For orders of 3 Doz. and over).	3½d. each
"AGRIPPA" VALVE (Patent No. 17617). Black or Transparent.	2/- Per Doz. net. 22/- Per Gross net. (For orders of 3 Doz. and over).	3d. each

Obtainable from  
all Wholesale  
Houses.

Patentees and  
Manufacturers:

*Ingram's*  
**LONDON**

*An Attractive  
Showcase  
offer.*

*Particulars on application.*

## **PRICE'S** Fine **Eau de Cologne**

In attractive and convenient  
Sprinkler Bottles.

*Three sizes, as illustrated.*

At 19/-, 32/- & 60/- per doz.  
respectively, less usual terms  
of discount.

**PRICE'S**  
Battersea,  
London,  
S.W.



*Eau de Cologne and  
General Perfumery.*

*Price Lists on application.*

# No. 77 BRITISH Eau de Cologne



## In Square Bottles

2 oz. ...	11/- doz.
4 .. ...	21/6 ..
8 .. ...	41/6 ..

## In Wickered Bottles

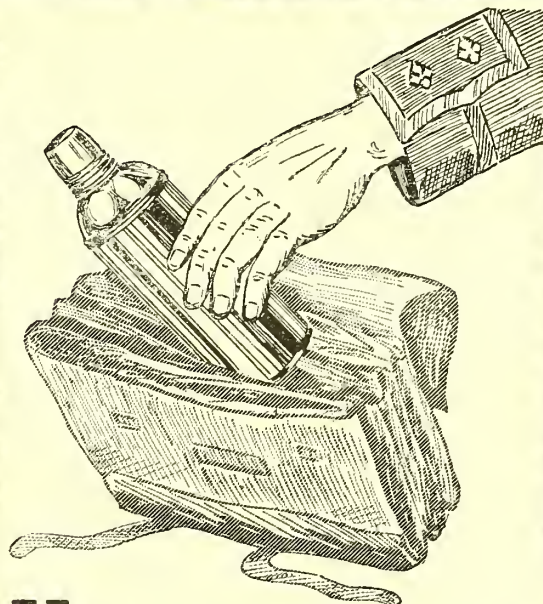
1/2 pint ...	34/6 doz.
1 .. ...	65/- ..
2 .. ...	122/- ..

Write for Samples.  
Showcards supplied.



MANUFACTURED ONLY BY

**WILLIAM TOOGOOD, Ltd.,**  
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## He's going to fight for YOU

DON'T let him down with a worthless imitation. Sell him the genuine THERMOS. The genuine THERMOS is the only heat retaining vessel made according to the original patents; it is estimated that over ten millions are in use at the present time, and all the experience and knowledge gained from making this great quantity are utilised in the manufacture of every genuine THERMOS. This is only one reason why all attempts at successful imitation fail.

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'Phone: Central 5947.  
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# "SANOID" BORACIC SOCKS.

MANY Chemists  
have enjoyed the  
ready sale of  
Boracic Socks,  
which literally

**SELL  
THEMSELVES**



NOW is the time  
to order, so as to  
enjoy a share of  
these

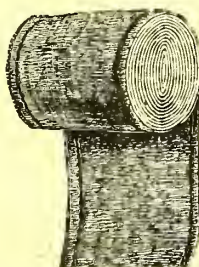
**READY  
SALES**

3/6 per dozen pairs.  
SAMPLE ON APPLICATION.

**CUXSON, GERRARD & CO., Ltd., OLDBURY.**

## CRÊPE BANDAGES. BRITISH MAKE.

**LIGHT AND  
COMFORTABLE  
TO WEAR.**



**ELASTIC,  
BUT CONTAINS  
NO RUBBER.**

Fig. 1331.—The "Saffron" Crepe Bandages, fast edges, 5½ yards long when stretched out—

		Width	2 in.	2½ in.	3 in.	3½ in.
Medium substance for ordinary wear	...	per doz.	8/2	9/7	10/9	13/6
Stout " " hard	...	...	10/6	12/7	14/9	17/6

Full directions for use with each Bandage.

Cotton Elastic Web Bandage ... per doz. yards, 2 in. 4/7, 2½ in. 6/-, 3 in. 7/2  
Leg Bandage, 3 yards long, fitted with tapes, ready for use, each 2/-

### THE "EMPIRE" ELASTIC HOSIERY.

Cotton Elastic, ordinary quality, for hard wear	...	per pair	4/7	3/7	3/7	3/10
5% discount allowed for prompt cash off above prices.		Carriage paid on orders of £2 and upwards.				

We are the right House for British-made Goods. Anti-Rheumatic Rings, Catheters, Enemas, Elastic Hosiery, Hot Water Bottles, Injection Syringes, Pessaries (Quinine, &c.), Sponge Bags, Trusses, Water Beds, Water and Air Cushions, Waterproof Sheetting, and every description of Rubber Goods.

ILLUSTRATED PRICE LIST POST FREE.

OUR GOODS ARE RIGHT.

MONEY BACK IF NOT SATISFIED.

**BURGE, WARREN & RIDGLEY, LTD.,**  
91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

# SAVE 3/- PER GALLON BY BUYING GUARANTEED GENUINE NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL OF 1916 MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

**WHOLESALE ONLY.**

*Kindly write for sample to*

**JOB BROS., Manufacturers, Tower Building, LIVERPOOL.**

Telegraphic Address: "JOB LIVERPOOL"

Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.



## KOLENE FOR THE HAIR.

*is sold in all parts of the United Kingdom.*

*Sales run into millions annually.*

Sold  
1d. Line, 1½ doz. cards 8/- grs.  
2d. Line, 1 doz. cards 16/-  
3d. Jars ... 2/- doz.  
4d. Jars ... 3/-  
6d. Jars ... 4/-

### KOLENE

as a rapidly increasing SALE.

*Ask for one of our travellers to call, or order direct from*

**The KOLENE CO., 206 Stewart's Rd., London, S.W.**

## MEDICAL DISPENSING BOTTLES.

**T. FERRY & SON, Ltd.  
PARK LANE GLASS WORKS,  
GATESHEAD-ON-TYNE.**

Telegrams:  
"BOTTLES GATESHEAD."

Telephone:  
70 GATESHEAD.

# TIDMAN'S SEA SALT

The Proprietors have been compelled to revise their prices, which are now as follows. The former prices will be reverted to as soon as market, transit, and labour conditions allow.

### NEW PRICE LIST.

	Advertised Price Per doz.	Minimum Retail Per doz.	Wholesale Per gross.
<b>"PENNY PACKETS" (12 in box)</b>	<b>1/6</b>	<b>1/3</b>	<b>10/6</b>
<b>Twopenny Packets (12 in box) ...</b>	<b>2/-</b>	<b>2/-</b>	<b>19/-</b>
<b>Boxes, about 1½ lbs. ...</b>	<b>4d.</b>	<b>4d.</b>	<b>3/4</b>
" " 3½ " ...	<b>8d.</b>	<b>8d.</b>	<b>6/8</b>
" " 7 " ...	<b>1/2</b>	<b>1/2</b>	<b>11/6</b>
" " 14 " ...	<b>2/-</b>	<b>2/-</b>	<b>20/-</b>

Four 7 lb. Boxes CARRIAGE PAID for 4/-.

Six 7 lb. Boxes CARRIAGE PAID at 11/6 per doz.

Assorted Orders to value of 10/-, CARRIAGE PAID, any of above sizes.

No stock to hold	Bags of	Each.	Each.	Each.
	28 lbs. ...	<b>3/6</b>	<b>3/6</b>	<b>3/-</b>
	" 56 " ...	<b>6/6</b>	<b>6/6</b>	<b>5/6</b>
	" 1 cwt. ...	<b>12/-</b>	<b>12/-</b>	<b>10/-</b>

*Carriage Paid.*

**2½ % Discount for Cash on all orders of 20/- and upwards.**

*Packing Cases extra and returnable. Half value allowed if not returned.*

**TIDMAN & SON, Ltd., London, E. (Members of P.A.T.A.)**



# *A Special Reminder*

re

## “RONOLEKE” INDIA RUBBER Hot Water Bottles

“For delivery in October”—We should like to be able to show you all our orders for **RONOLEKE** Hot Water Bottles beginning as above—it would be a revelation to you.

Are you amongst them? Will you be ready with the very latest “guaranteed not to leak” H.W. Bottle when the cold weather starts again?

Be assured there is going to be an immense demand for India Rubber Hot Water Bottles this Winter; this, not on our word, but upon the testimony of hundreds of your fellow-pharmacists who are ordering **RONOLEKES**.

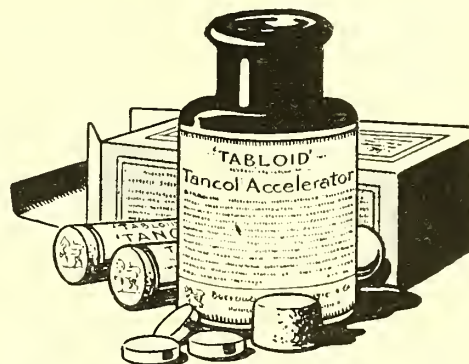
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258 Euston Road  
LONDON, N.W.

The New British-made  
Developer

**'TABLOID'** BRAND

(Trade Mark)



TRADE **'TANCOL'** MARK

**DEVELOPER**

SUITS  
ALL TANKS

SUITS ALL  
FILMS AND  
PLATES

ORIGINATED by Burroughs  
Wellcome & Co. as the result of special  
investigations in search of

*the Ideal Tank Developer*

'TABLOID' 'TANCOL' gives all detail  
and "pyro quality."

In view of the popularity of tank  
development, a prompt and large demand  
for 'TABLOID' 'TANCOL' is anticipated.  
It will be well advertised.

Don't have to turn enquirers away.

**ORDER TO-DAY**

Contents of carton make from a half to over one gallon  
of solution. Price 16/0 per dozen cartons, subject.

'TABLOID' 'TANCOL' is made at Dartford, Kent, by



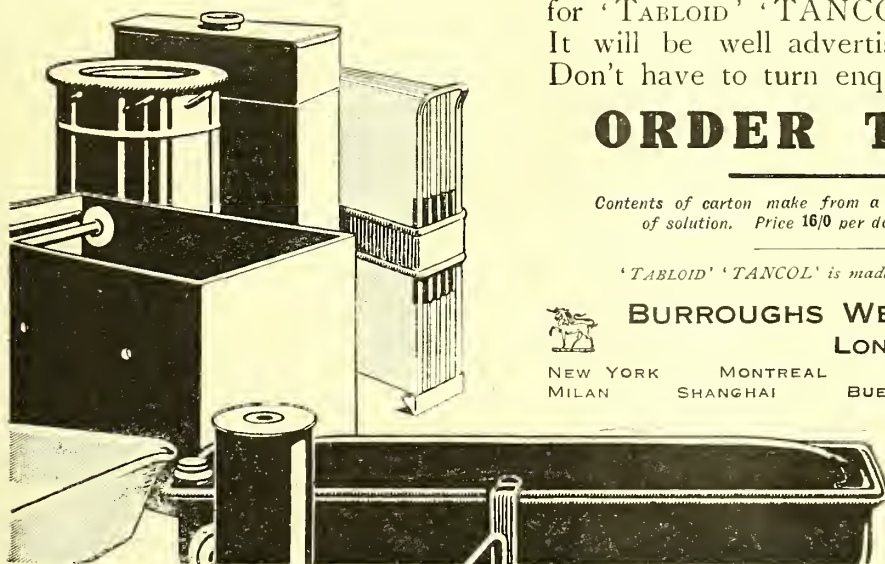
**BURROUGHS WELLCOME & CO.**  
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NEW YORK  
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CAPE TOWN  
BOMBAY





# THE BRITISH DRUG HOUSES

B.D.H.

## 'EASTERN FOAM'

The new and fascinating VANISHING CREAM,  
which is enjoying REMARKABLE SALES.

Retail (P.A.T.A.)

1/-

Per Dozen :

8/6



Showcards with all orders. SPECIAL TERMS FOR DISPLAYS

*Write for particulars.*

22-30, Graham Street, City Road, LONDON, N.





A Weekly Journal of Pharmacy and of the Chemical and Drug Trades  
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of eighteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

#### Subscription Rates.

Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6d.; Summer or Winter Number, 1s.; *Diary* 3s. 6d. Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12s. 6d., franco.

Цена годового абонемента: Газета еженедельно и Дневникъ разъ въ годъ 12 шиллинговъ 6 пенсовъ съ пересылкой.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 12 ch. y 6 peniques, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C.

Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).

Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

#### CONTENTS: No. 36 (Series No. 1910), Vol. 88.

	PAGE		PAGE
Austrian News .....Col. Supp.		Information Department	40
Birth .....	38	Insurance Act Dispensing	46
Chemist's Window .....	45	Irish News .....	36
Colonial and Foreign News	37	Legal Report .....	38
Correspondence:		Marriage .....	38
Letters .....	50	Military Tribunals' Decisions	34
Dispensing Notes .....	51	New Companies and Com-	
Subscribers' Symposium	51	pany News .....	38
Legal Queries .....	51	Observations and Reflections	41
Miscellaneous Inquiries	52	Personalities .....	40
Deaths .....	38	Phenol-esters Patents	39
Deed of Arrangement .....	38	Poisonings .....	36
Editorial Articles:		Practical Notes .....Col. Supp.	
Linseed-oil Outlook .....	42	Retrospect .....	52
Sale of Benzin .....	43	Russia's Chemical Supplies	34
Unemployment Insurance	43	Scottish News .....	36
British Education .....	44	Story of a Cheque .....	46
Proprietaries Containing		Tale of a Day .....	45
Cocaine .....	44	Things Worth Knowing	47
Our Retrospect .....	44	Trade-marks .....	47
Traders' Black List .....	44	Trade Notes .....	47
English News .....	35	Trade Report .....	48
European War .....	33	Westminster Wisdom	40
India and the East .....	37	Wills .....	33

### "The Chemist & Druggist Diary," 1917.

In order to ensure delivery of copies of this *Diary* to distant parts of the world before the end of the year, it is being prepared for press now. Business-houses are particularly requested to secure space in it for their advertisements, writing as promptly as possible to the Publisher, 42 Cannon Street, London, E.C.

The Editor will be obliged if Secretaries of Local Chemists' Associations who have not sent him particulars for insertion in the Special Section of the *Diary* (pp. 179-184) will do so as promptly as possible.

Formulas for "known, admitted, and approved remedies" that subscribers desire to have inserted in the *Diary* should be sent to the Editor not later than Thursday, September 7. The space reserved will on this occasion be limited.

### Wills.

THE LATE JOHN FLETCHER, Ph.C., Cheltenham, left estate valued at 871l. 13s. 9d. gross.

MR. EDWARD DAVIES, F.C.S., 145 Liverpool Road, Crosby, Lanes., who died on June 20, left estate valued at 3,493l. 14s. 4d. gross, with net personalty 2,987l. 3s. 2d.

MR. PHILIP HENRY MORGAN, Ross, Hereford, chemist and druggist, late of 1 Nelson Street, Southend-on-Sea, who died on May 5, aged sixty-nine years, left estate valued at 4,018l. 17s. 3d. gross, with net personalty 2,930l. 14s. 3d.

## European War News.

### Enemy Firms to be Wound Up.

BRITISH PYROPHOR METAL CO., G.M.B.H., 39 Victoria Street, London, S.W., production and sale of cerium iron-stones (aerometal). *Controller*: F. J. Saffrey, 14 Old Jewry Chambers, London, E.C.

The following amended notice is substituted for that published in the "London Gazette" of August 15, 1916: Charles Kaufmann, 9 Falcon Avenue, London, E.C., carrying on business under the name of the Ram Fleece Hosiery Co., and in his own name, dealer in Haarlem oils, soaps, scents, etc. *Controller*: William Alfred Slade, 9 Old Jewry Chambers, London, E.C.

### Import and Export Notices.

GERMANY.—The importation of tobacco into Germany was prohibited from August 7. This decree includes tobacco preparations; only the importation of tobacco for cigarettes is allowed. The motives of this prohibition are not known; officially it is said that it is because of the enormous stocks of tobacco in Germany.

RUSSIA.—The exportation of beeswax *via* all frontiers of the Russian Empire has been prohibited.

SWEDEN.—Photographic dry-plates or so-called emulsion-plates, with or without negatives, sensitised photographic paper, lead oxide (litharge), lead peroxide, lead sulphate, saffron, vanilla, vanillin, cassia fistula, tamarinds, anise, star anise, fennel and coriander, cinnamon, cassia lignea, cumin, ginger, cloves, clove-stems, and mustard have been placed on the prohibited list of exports.

UNITED KINGDOM.—The Director of the War Trade Department announces that that Department is now prepared to consider licences for the export of solvent naphtha (provided that it contains less than 5 per cent. of toluol) to the British Colonies, the United States of America, and the Allied countries with the exception of France.

### Census of Goods.

The "London Gazette" of August 18 contained several amendments to the Defence of the Realm Acts, including the following:

After Regulation 15A the following regulation shall be inserted:

"15B.—(1) For the purpose of ascertaining whether goods of any description are held on account of, or for the future account of, or for the benefit or future benefit, direct or indirect, of any person resident or carrying on business in any country which at the time is at war with His Majesty, or any person of enemy nationality, or are held otherwise to the prejudice of the national interest, the Board of Trade may by order:

(a) Require all persons who are owners of, or who are in possession of, or have control over, any goods, to furnish to any officer of the Board authorised in that behalf any information in their possession which such officer may require—

(i) As to the nature, quantity, use, origin, and destination of the goods, and the purposes for which they are held.

(ii) Where the goods are not in the possession of the owner, as to the actual ownership of the goods and conditions under which the goods are held.

(iii) In order to establish whether the amount of the goods held is in excess of the normal requirements of the trade of the owner thereof, and the reasons for the excess, if any.

(b) Authorise any officer of the Board to enter any premises on which he has reason to suspect that goods of any such description are kept or stored, and carry out such inspection of and examination of the premises and goods thereon as the officer may consider necessary for obtaining such information as aforesaid.

(c) Authorise any officer of the Board to require the production of, and to inspect, all books or documents relating to goods of any such description.

(2) The Board of Trade may make arrangements with any other Government Department for the exercise by that Department on behalf of the Board of their powers under the foregoing provisions with respect to goods of any particular description, and in such case the Department and the officers thereof shall have and exercise the same powers as are by the said provisions conferred on the Board of Trade and their officers.

(3) Any order requiring such information as aforesaid shall be published in the London, Edinburgh, and Dublin Gazettes, and in such other manner as the Board think best adapted for informing the persons affected and ensuring publicity.

(4) Where the Board of Trade, as the result of such inquiries as aforesaid, are of opinion that any goods are held on account of, or for the future account of, or for the benefit or future benefit, direct or indirect, of any persons resident or carrying on business in any country which at the time is at war with His Majesty, or any person of enemy nationality, or that the continued withholding of the goods from the market is to the prejudice of the national interest, the Board may, by order sent by registered post to or delivered at the last-known place of address in the United Kingdom of the owner of the goods, require him to dispose of the goods in such manner and within such time as may be specified in the order.



(5) If the owner of the goods cannot be ascertained, or is not resident within the United Kingdom, the order may be addressed to, and may confer powers of sale on, the person in whose possession or under whose control the goods may happen to be.

(6) For the purposes of this regulation the expression "owner" in relation to any goods includes any person who, as factor or otherwise, has power to sell the goods.

(7) If any person

(a) refuses or neglects to furnish any information, or to answer any question put to him, in pursuance of any order made under this regulation, or knowingly furnishes any false information, or makes any false answer to any such question; or

(b) refuses or neglects to produce any books or documents relating to the goods in question which may be in his possession or under his control; or

(c) fails to comply with any order made by the Board as to the disposal of goods ordered to be disposed of under this regulation; or

(d) except as authorised by the Board of Trade, discloses or makes use of any information given to him under this regulation,

he shall be guilty of a summary offence against these regulations."

#### Russian Chemicals and Drugs.

Professor Marcel Lauwick, of the Ghent University, Hon. Secretary of the Société d'Etudes Belgo-Russes, contributes an article to the Russian Supplement of "The Times" (August 26), in the course of which he states that many commercial societies were founded in Russia last year for the manufacture of chemicals and drugs. They were twenty in number, against sixteen in 1914, with a capital of 2,400,000*l.*, against 900,000*l.* in 1914. Previous to the war the home production of benzol was only about 50,000 pounds (500 tons); imports came exclusively from Germany. But Russia has markedly modified these conditions and constructed many new coke-ovens. Odessa is now a great centre of chemical industry, particularly for sodium salts, iodine, iodoform, copper sulphate, corrosive sublimate, chloroform, chloral hydrate, etc. Among other products being made in Russia are formalin, hexamine, lanoline, lysol, tannin, morphine, caffeine, atropine, etc. Before the war the Russian market was entirely dependent on Germany for physical and surgical instruments. In 1913 Russia imported from Germany 50,000*l.* worth of surgical instruments and 440,000*l.* worth of scientific and chemical apparatus. An important factory for surgical instruments was started during the first weeks of the war at Pavlovo, near Moscow, and there are now being made over three hundred different kinds of apparatus and instruments. The value of the production last year was about 90,000*l.*, the prices being 30 per cent. cheaper than those of goods imported from abroad.

#### Personalia.

MR. J. H. HEAP, chemist and druggist, formerly of Hamburg, has joined the chemists' battalion of the R.E., and is in training at Chatham.

MR. L. A. KEMP, who was apprenticed with Ekins & Fisher, pharmaceutical chemists, St. Albans, has obtained a commission as second-lieutenant in the 11th North Staffs Regiment.

MR. ARTHUR N. BIRKS, who was in business in Perth, Wynberg, Cape Town, and is the nephew of Mr. John Pike, is a sergeant in one of the brigades of the Australian Imperial Force training in England.

PRIVATE ERNEST ALDRED BUCKLEY, Manchester Regiment, third son of Mr. J. A. Buckley, chemist and druggist, High Street, Lees (Lancs), is a prisoner of war in Germany. He was engaged in his father's business when he enlisted in February 1915.

PRIVATE JOHN McNAY, Glasgow Highlanders, only son of Mr. David McNay, chemist, Kilmarnock, is reported missing since July 15. Two days previously he was selected to go to the Base for a course of training in the Lewis gun. Some time before he was buried in the trenches, but was uninjured, and was highly complimented by his officers on his great coolness and bravery.

PRIVATE NORMAN RIVETT, son of Mr. A. J. Rivett, chemist, Wynberg, Cape Town, and nephew of Mr. John Pike, chemist and druggist, Sherwood, Nottingham, is unfortunately a prisoner of war in Germany. He came over with the S.A. Scottish, and, after several months in this country, had some experience in Egypt. He was wounded in the right knee in the fighting round Delville Wood, and could not get away out of danger, and thus fell into the hands of the enemy, by whom he has been well treated up to the present.

SECOND-LIEUTENANT A. W. SYMINGTON, King's Royal Rifles, who has been mentioned in despatches, and has received the Military Cross, is a son of Mr. Archibald Symington, formerly Principal of Smith, Stanistreet &

Co., Calcutta, and brother-in-law of Lieut-Col. W. T. Grice, C.I.E., the present head of the firm. When the war started Mr. Symington was at Clare College, Cambridge University, where he had a high reputation as an athlete. He gained his Rugger blue there, and he was also a member of the Scottish International Football Team. In due course he joined the Sportsmen's Battalion, and obtained his commission. He has been wounded, and is now convalescent from a gas attack.

PRIVATE KENNETH V. NORMAN, son of Mr. Valentino Norman, pharmacist, Leighton Dene, Godalming, has been gazetted second-lieutenant in the Queen's (Royal West Surrey) Regiment, and is on active service. He joined the Public Schools Brigade (Royal Fusiliers) at the beginning of the war, went with his battalion to France, and saw considerable service in the trenches last winter. He sent home interesting letters describing his experiences, and some of these were published in the "Surrey Times." Second-Lieutenant Norman has a wide circle of friends in Godalming, and takes with him many good wishes for success in his career as an officer. Before the war he was assisting in the business of his father.

LIEUTENANT ERIC WATTS, of the Cheshire Regiment, has been awarded the Military Cross "for conspicuous gallantry in action. When nearly all the officers of his battalion had become casualties he rallied the men and consolidated his position, working indefatigably. Next morning he led a bombing attack with great skill and courage. He set a fine example of pluck and endurance." Lieutenant Watts is a pharmaceutical chemist, and the son of Mr. and Mrs. W. T. Watts, Balmoral House, Stalybridge. He is one of five brothers serving with the Forces, and a sister is a hospital nurse. He was wounded last September, but made a good recovery, and a few weeks ago was again slightly injured through the accidental exploding of a bomb.

#### Miscellaneous.

ITALIAN CONTRABAND OF WAR.—The following additions are made to the list of articles of absolute contraband of war contained in Decree No. 266 of February 27, 1916: Metallic chlorides, except chloride of soda and chlorides of metalloids; halogen compounds of carbon; starch; borax, boric acid, and other boron compounds; sabadilla-seeds and preparations therefrom.

GERMAN DYES IN AMERICA.—Although several weeks have elapsed since the submarine *Deutschland* took her famous cargo of German dyes—said to be about 125 tons—to America, they do not appear to have been disposed of owing to the exorbitant prices asked, which are from ten to twelve times the normal asking figures. American dye-stuff makers are now getting along very well with the aid of domestic dyes, and they hope to be able to launch out later when they are in a sufficiently strong position to resist German cut-throat competition. The owners of the *Deutschland* openly bragged that they would get the cost of the vessel out of the profit on the first trip, but Americans look upon the affair as a "most outrageous attempt in modern brigandage," and there is "nothing doing."

#### Military Tribunals' Decisions.

BRIDGWATER.—The appeal before the Somerset Appeal Tribunal of the Timothy White Co., Ltd., for Wm. Temple, chemist and druggist, in charge of the company's Bridgewater shop, was refused.

EXETER.—An application for the exemption of R. Chapman, with the Timothy White Co., Ltd., was adjourned so that the National Insurance Commissioners can be consulted.

GILLINGHAM.—Two months' exemption was granted to G. M. Taylor, assistant to Mr. C. E. Beveridge, chemist and druggist.

HASTINGS.—L. Maitland, F. Thompson, and H. Hudson, chemists' assistants, were granted three months' exemption.

HYTHE.—Six months' exemption was granted to P. C. Andrew, with Mr. H. Barnett, chemist and druggist.

LETTERSTON.—Exemption was refused to W. D. Jones, assistant to Mr. H. A. Williams, chemist and druggist.

PERSHORE.—Conditional exemption was granted to Mr. A. C. Smith, chemist and druggist, assistant to his father, Mr. A. W. Smith, chemist and druggist.

SHOREDITCH.—John Horstead, surgical-instrument case-maker with F. W. Harding, was exempted until December 31.—Exemption was granted to W. Fuller, varnish-maker with C. Wheeler, Ltd., manufacturing chemists, 191 Hackney Road.

STUDLEY.—Two months' exemption was granted to L. P. Vaughan, described as a druggist.

SWANLEY.—Mr. H. C. Lasham, 16 High Street, was granted conditional exemption.



## English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

### Birmingham.

Mr. Alfred Bird, M.P., presided at an interesting cyclists' reunion at Stonebridge on Saturday afternoon, August 26. Mr. Bird once held the twenty-four hours' solid-tyre tricycle record.

The name of Doris M. H. Alcock, daughter of Mr. F. H. Alcock, appears in the Honours Division (Class II.) with distinction in the local list of students who have passed the Cambridge University examination for Seniors in July last.

The war is having a serious effect on the maintenance of local hospitals. What with higher prices for food, drugs, and other necessities, and a slight falling-off of voluntary contributions, their efficiency is being diminished as far as number of patients treated is concerned.

The Health Committee of Birmingham through its Chairman (Councillor Wm. A. Cadbury, Jun.) has issued a series of useful instructions for securing the safety of infant life, and condemns the artificial teat, specially enjoining strict cleanliness of body and clothing and careful dieting.

### Liverpool.

Comforts for soldiers are being sold in increasing quantities by pharmacists, the organisation for despatch and delivery having been so far proved as to command popular confidence.

Learning that a young couple were going for a short holiday which they needed after a strain of war work, a leading pharmacist added to their enjoyment of the vacation by thoughtfully sending them all-British samples of a dentifrice, of concentrated eau-de-cologne, and of three choice toilet-soaps, together with a bottle of a new perfume. As a packet of small luxuries the selection won high appreciation.

Owing to the death of Dr. T. Moore Alexander and the difficulty in procuring an hon. medical officer to carry on the work, the vaccine-therapy department of the Royal Southern Hospital has been closed for the present, but it is hoped in the near future to reopen the clinic, which has done much valuable work in the investigation and treatment of disease. A department has been opened for the treatment of in- and out-patients with ultra-violet rays. These rays have proved of therapeutic value in many tubercular conditions, and in some other cases of bacterial origin. The School of Tropical Medicine has been transferred to the Royal Infirmary in new buildings adjacent to the University.

### Sheffield.

The Sheffield Tribunal has allowed two months' extension in the case of Mr. W. L. Wigfall, assistant to Mr. J. H. Williams, of St. Philip's Road.

Mr. W. L. Bailey, chemist and druggist, son of Mr. Bailey, of Matlock, who joined the Middlesex School Battalion, has been made corporal and assistant-instructor at an Anti-Gas School.

The distribution of infants' foods by the Corporation is becoming a very big thing. Since July 1908 the Corporation have purchased 132,000 lb. of Glaxo, which is only one of the foods distributed.

Thompson & Capper, Ltd., Church Street, have a very fine display of bath-requisites, devoting the whole of one window to cork table and bath mats, and have ingeniously filled in the back with toilet-articles, intermixed with effervescent salts.

A strong feeling of dissatisfaction exists among pharmacists at the uneven methods of recruiting. Company chemists decided that their assistants should be considered by the Central Authority in London, who in turn took the opinion of the Local Joint Committee, the result being that the individual chemists' assistant has been with the Colours some three or four months, while the combing-out process has not yet touched young Store assistants.

After much correspondence and an interview in London with the Commissioners, *re* the 1915 settlement, panel chemists will have the satisfaction for the first time of having their year's accounts paid in full. The Commissioners have just issued their credit, which will meet all the chemists' claims, who still have a balance owing to

them for the year of 20 per cent. There has been a feeling among a section of the chemists that they should have been paid in full, and that any charge for expenses should have been a charge on the Drug Fund. The Commissioners refused this or any expenses for self-protection. At the present time a deduction from accounts of 2½ per cent. is made. It is found that up to date 6,124l. has been paid for 1916. With some outstanding balances on these figures it is estimated that it will take some 12,000l. for the year. As 190l. is likely to be the figure expended, it will be seen that a percentage of 1.6 should cover the charges against the chemist for checking, etc.

### British Trade in Latin America.

The Trade and Industry Committee of the Royal Colonial Institute have received the following statement as to the possible extension of British trade in Latin America: British trade has lost ground in Latin American countries, or, to put it in another way, British people have not had as much trade as they ought to have done, for the reason that there are too few purely British importing houses in Latin American countries. In Central America, and Mexico and South American countries, the stores are largely in the hands of Germans. These firms, pursuing the national idea, such an idea being practically unknown to British people, always prefer to import from Germany, and they have a definite policy of promoting German trade. Most of the German firms are of mushroom growth; young men have gone out for a small salary of about 200m., or even less, per month. They were serious, hard-working young fellows, of great adaptability, got very few pleasures but by dint of close attention to business they were soon able to make themselves valuable to their employers, and were admitted as partners. They are a reliable class of people, and all credit is due to them. The head of the firm goes home, often opens a house in Hamburg, making an occasional trip abroad, and so the process of development goes on. The same thing applies to the agricultural part of Latin America, where large numbers of coffee and sugar estates are owned by the Germans. To increase British trade, initiative of this character is needed. It will do little good to send out travellers, catalogues, samples, appoint agents, and spend large sums on propaganda in countries where such a condition of affairs prevails. It was impossible to make headway before the war, and will be difficult after the war. It would be worth while for some of the Manchester, Birmingham, and London exporting firms, or associations which might be formed, to open up branches in the principal towns of Latin America. It is also suggested that the Board of Trade, Chambers of Commerce, and public-spirited men take the matter up, so that by propaganda the young fellows at home should become interested.

### Miscellaneous.

AN OPIUM-SMUGGLER pleaded guilty at West Ham on August 29 to attempting to illegally export ¾ lb. of opium, and was remanded.

SALE OF MEDICATED WINES.—The Central Control Board (Liquor Traffic) have extended their Order respecting the sale of medicated wines to the Eastern area.

BURNLEY CHEMISTS AND DRUGGISTS want to close at 9 P.M. instead of 10 P.M. on Saturdays, and the local Chamber of Trade has approached the Town Council in regard to the matter.

AN EXHIBITION OF MEDICINAL PLANTS has been held in the Leicester Museum. Among those who assisted in the supply of specimens were Mr. Lewis Ough, F.C.S., and W. Ransom & Son, Ltd., Hitchin.

INFECTED SHAVING-BRUSHES.—A further seizure of shaving-brushes infected with anthrax has taken place in Newcastle. The brushes, which were imported from Japan, are cheap ones, selling at 1d. to 1½d., and are stated to have black-japaned wooden handles and a thin brush of white hair.

PHARMACIST VOLUNTEER TRAINING CORPS.—On September 3 there will be a staff parade at the Duke of York's Headquarters, Chelsea, at 9.30 A.M., and thereafter lecture and field work. There will also be parades on September 6 and 7 at the Herne Hill entrance of Brockwell Park at 3 P.M. for field work.

LIGHTING REGULATIONS INFRINGEMENTS.—At Leek on August 16, Mr. Gilbert Cope, chemist and druggist, Cawdry Buildings, Leek, was fined 15s. for a breach of the lighting regulations.—For a similar offence Mr. Chas. Bullock Southwell, chemist and druggist, High Street, Knaresborough, was fined 1l.

OPIUM-SMUGGLING.—At Liverpool on August 24, Sam Sang, a Chinese seaman, was fined 50l., or three months' in



default, and John Sang 25 $\frac{1}{2}$ l., or two months' imprisonment, for attempting to smuggle opium out of the country. Eight pounds of the drug was found concealed in soft soap and red lead on board a ship on which they worked.

**EFFECT OF THE OPIUM REGULATION.**—A retired dentist, named Rogers, who lived at Llandudno, and recently committed suicide, was stated at the inquest to have done so because, owing to the new Opium Regulation, he was unable to obtain opium, which he had been in the habit of taking for years.

**LONDON LIGHTING ORDER.**—A new Order regulating and altering the time when lights are to be reduced has been issued for the Metropolitan Police district. The Order fixes the following times: September 1 to 15, 8 P.M. till one hour before sunrise; September 16 to 30, 7.30 P.M.; October 1 to 15, 6 P.M.; October 16 to 31, 5.30 P.M.; November 1 and after, 5 P.M.

**TREATMENT OF VENEREAL DISEASES.**—The Local Government Board has issued a further circular to local authorities dealing with the prevention and treatment of venereal diseases. It is suggested that the local doctors should be allowed to nominate two representatives on any Committee appointed by local authorities to deal with this matter. Various safeguards are suggested in regard to the experience of the practitioners to whom salvarsan is supplied.

**MINISTRY OF COMMERCE.**—A memorial of the Associated Chambers of Commerce has been submitted to the Prime Minister urging the Government to take immediate steps to create a Ministry of Commerce and Industry with a Minister of Cabinet rank, aided by a permanent Advisory Council, consisting of representatives of the Foreign Office, the Colonial Office, the India Office, the self-governing Oversea Dominions, and the leading commercial interests of the Empire.

**BOARD OF SCIENTIFIC SOCIETIES.**—This is the name of a body which has been formed on the initiative of the Royal Society to promote the co-operation of those interested in pure or applied science; to supply a means by which the scientific opinion of the country may, on matters relating to science, industry, and education, find effective expression; to take such action as may be necessary to promote the application of science to our industries and to the service of the nation; and to discuss scientific questions in which international co-operation seems advisable.

**POISONINGS.**—The following cases of poisoning have been reported since our last issue: At Guy's Hospital the death of a man named Jackson was found at the Coroner's inquest to have been accelerated by the injection of kharisivan.—An employé named Elliott, at the Brown Institute for Animals, Lambeth, committed suicide by taking potassium cyanide.—A Norwich man named Alden poisoned himself with spirit of salt.—A woman named Wordley at Aberavon took carbolic acid in mistake for glycerin, with fatal effect.—At Rotherham a young man poisoned himself with spirit of salt at a cinematograph theatre.

**IN OPPOSITION TO GERMANY.**—At the meeting of Staines Rural District Council last week, a letter was read from solicitors stating that a client wished to take over premises adjoining Home Farm, Sipson, for the purpose of making fine chemicals formerly supplied by Germany, and asking if the Council had any objection to the works being started. The Chairman remarked that this was an effort to tie the Council's hands by securing correspondence which could be raised when the Council might find it necessary to take steps against the firm for a nuisance, and he had instructed the Clerk to draft a letter stating that the Council, as the sanitary authority, had certain duties which it would not hesitate to discharge. It was decided to send the letter.

**BOWLING.**—At the invitation of the East Dulwich Constitutional Club, Mr. A. R. Keith took a team of London pharmacists to Dulwich on Thursday, August 24, for a friendly bowling-match with the Club on their private green. Mr. Burgess Dow (North London) and Mr. G. M. Wilson (East London) were the skips for the pharmacists. The game was an interesting one, although very one-sided, the visitors being outclassed all round and beaten by 60 points to 20. The pharmacist bowlers were: No. 1 rink, W. Wilkinson, W. Wood, E. Tugwell, and W. B. Dow; No. 2 rink, J. H. Hearle, A. Styles, A. R. Keith, and G. M. Wilson. Afterwards a pleasant hour was spent in the Club premises. An invitation was extended and accepted for another match next season under similar conditions.

**THOMAS COFFEY** (34) was charged at Bow Street Police Court, London, on August 29, with issuing false medical certificates. It was explained that Coffey had been impersonating W. J. Greehy, L.R.C.P. and S. (I.), who had

been registered on November 26, 1909. Dr. Greehy was an assistant to Dr. Richard Coffey, Barrow-in-Furness, brother of the prisoner. The latter had studied medicine in Dublin, and passed some of the professional examinations, but was not registered. Nevertheless, he went to Swansea, where he practised under Dr. Greehy's name, and obtained public appointments. On August 20, 1915, he applied for, and, as Dr. W. J. Greehy, obtained a commission in the R.A.M.C. Subsequently (February 11, 1916), Dr. Greehy himself applied, and this led to the discovery of the impersonation. Coffey was brought back from Egypt by the authorities, and the present charge formulated. He pleaded not guilty, reserved his defence, and was committed for trial.

## Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

### Brevities.

Mr. P. Mallon, Ph.C., Newry, is carrying out extensive alterations and improvements on his premises. The plans have been passed by the Urban Council.

The co. Mayo Infirmary Committee have accepted the tender of Fannin & Co., Dublin, for surgical appliances at 10 per cent. discount, and that of Mr. J. J. Cahill, Castlebar, for drugs at 15 per cent. discount.

## Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

### Brevities.

Mr. W. Cummings, chemist, Thurso, was skip of a local rink of bowlers who played and beat by 10 points last week an Edinburgh rink of visitors.

Mr. Andrew Moncrieff, Secretary of the Guildry Incorporation of Perth, who died last Saturday in his fifty-third year, was a former apprentice with Mr. R. Pantan Blair, chemist, Perth.

### Edinburgh.

The *locum-tenens* has been doing well this summer. It is said that 4 $\frac{1}{2}$ l. and 4 $\frac{1}{2}$ l. 10s. a week have been favourite figures with him.

Edinburgh University Court has decided to make arrangements for women medical students within the University. Except materia medica, midwifery, and gynaecology, the women students will be admitted to the lecture courses in each subject, but there will be separate sections for women in all practical courses, except in special cases.

A meeting of the Colliery and Public Works Surgeons' Committee for Scotland and the Executive of the National Union of Scottish Mine-workers was held in Edinburgh last week to consider the fees payable to doctors. The miners wanted the doctors to take 2 $\frac{1}{2}$ l. a week without medicine, and 2 $\frac{1}{2}$ l. with it, but the doctors wanted  $\frac{1}{2}$ l. more. Although the Conference was not unanimous, the doctors' terms were accepted by Lanark, Dumbarton, Stirling, and West Lothian. The Surgeons' Committee recommend that in the event of Clackmannan, Kinross, Fife, and Mid and East Lothian not receiving the same improved terms within six weeks, areas now accepting should give notice to terminate the new contract, the accepted areas meantime charging private fees.

The shop-windows show great contrasts in the matter of goods displayed and the method of displaying them, writes our correspondent. In the windows of Mr. R. L. Hendry, Earl Grey Street, sponges are the feature. These are displayed in large specie-jars. Gibson & Co. (Boots), Lothian Road, devote an entire window to toilet-goods, such as brushes, tooth-pastes, and sponges, all with prices marked. Davidson & Co., chemists, have a collection of toilet-articles, watches, razors, etc. There is also taking place a stocktaking sale, with goods at 25 per cent. discount. Among the bargains are 6 $\frac{1}{2}$ l. foot-powder for 3 $\frac{1}{2}$ l.; 6 $\frac{1}{2}$ l. shaving-sticks, three for 1s. 4 $\frac{1}{2}$ d., twelve for 4s. 10d., thirty-six for 14s. Mr. Wm. Fisher, Leith Street, shows rubber sponges, shaving-sticks, and a large pile of sulphur tablets suitably inscribed. Gibson & Co. (Boots), of the same street, show toilet-articles in profusion, as also do they in another branch on the opposite side of the street. Boots, Ltd., are also opening a shop at Nos. 30-32.



which seems to show that this street is a rich harvest-field. In Princes Street, H. C. Baildon & Co. devote their windows to eucalyptol tooth-paste, sponges, etc. The most striking windows of all are those of Messrs. Pottage, Princes Street. No. 1 window has as a centrepiece a huge branch of autumnal bramble leaves and fruit (artificial), with a large crystal stand filled with bramble throat-pastilles, which are very tempting. The sides are filled in with "Peach Bloom" soap, and the colours harmonise beautifully. No. 2 is devoted to Pottage's Old English Lavender Water, with a huge wickered carboy in the centre and various-sized bottles of lavender-water, salts, etc., daintily set out. There are also delicately tinted earthenware jars, vases, etc., with bouquets of the flower. These are most attractive windows, and one is tempted to linger long to study such fine displays. The interior of the premises also commands attention, a special feature being the crystal chandeliers.

#### Glasgow and the West.

The price of aspirin tablets has fallen with alarming rapidity, the new price being twenty-five for 1s. 3d.

Some Glasgow chemists are now affixing a label to methylated spirit stating the hours during which the spirit can be sold.

The number of sphagnum-moss dressings despatched last week from the Langholm (Dumfries) district brings the total up to 1,000 since this work was taken up in the district.

The "Glasgow Times" says: "The military are paying attention to the possessors of exemption certificates who are enjoying holidays and calling in question their indispensability."

Chemists should note that the box at the General Post Office closes for the despatch of English mails as follows: Up limited mail, 5 P.M. (late fees, 5.15 P.M.); up special mail, 6 P.M. (late fees, 6.15 P.M.).

Messrs. Anthony McMillan (President) and Harvey P. Arthur (Secretary), of the Glasgow and West of Scotland Chemists' Association, have issued a circular about a complimentary present to Mr. J. P. Gilmour, which it is suggested should be given in October.

The "Glasgow Weekly Herald" in telling, last week, how great men made their money, gave the Beecham's "Worth-a-Guinea-a-Box" story: told of Holloway's poverty days; and how King's dandelion pills formula was sold for 5,000l., bringing the purchaser an annual income of 1,000l.

Mr. W. R. Craig, 564 Paisley Road, Glasgow, has an excellent window-display of Sanaphos, tooth-pastes, and hair-brushes. Mr. J. M. Hart, 456 Paisley Road, makes a special feature of Erasme and Vinolia soaps. Mr. James Crombie, 323 Paisley Road West, has a seasonable show of photographic material, hair-brushes, sponges, and various skin-creams. Mr. Wm. Bray, 222 Paisley Road West, has his window occupied with Ven-Yusa cream and Dr. Cassel's tablets. Mr. W. S. Galbraith, 52 Paisley Road West, displays in one window "Oriental" hair-restorer. Jonson's baby-powder and Kruschen salts fill up the other window. Mr. R. Hogg, 357 Paisley Road, has an effective exhibit of "Silkum" corn-remedy backed by liver-salts; while Mr. T. Hunter, 75 Nelson Street, displays "Red Poppy" corn-silk and Dr. Carter's liver-salt.

## India and the East.

(From the "C. & D." Correspondents.)

**PERSONAL.**—Wor. Bro. C. B. Robinson, of Thomson & Taylor, Bombay, was installed Master of the Tara Lodge of Installed Masters I.C. on July 28.

**TREACHER & CO., LTD., BOMBAY.**—At an extraordinary general meeting, held in Bombay on July 24, a resolution was carried that the company be wound up voluntarily.

**TRADING WITH THE ENEMY IN CEYLON.**—A "Gazette" extraordinary has been issued with a Royal Proclamation and an Order in Council, prohibiting his Majesty's subjects from trading with enemy firms in Ceylon, a list of whom is given.

**BUSINESS IS VERY DULL** in the Bombay market, and a great slump has taken place in prices of chemicals. Dealers are overstocked, and in many instances chemicals can now be purchased below landed cost, as large supplies have recently been received, and money is tight. Dealers who have been to Calcutta report that similar conditions prevail there.

**OPIMUM-CONSUMPTION IN CEYLON.**—The Administration Report of the principal medical officer of health in Ceylon

shows that during 1915 there was a decreased consumption of eating-opium by 619,639 gr., and of smoking-opium by 5,246,435 gr., this large decline being due to the raising of the price, which was increased from 3c. to 1c. per gr. for eating-opium, and from 1c. to 2c. per gr. for smoking-opium. A considerable number of applications for registration as opium-consumers were made, but all save two were refused.

**SEIZURE OF OPIUM AND COCAINE.**—The Customs Preventive Staff of Colombo were successful in seizing a large quantity of opium and cocaine in Colombo harbour. Two first-class passengers, named Wallace and Dale, bound for China on the *Kaiser-i-Hind*, who were to tranship in Colombo to the *Norara*, had among their baggage six big boxes in the hold. They declared that the boxes contained photographic films, and also made excuses that the keys were not with them. The boxes were forced open, and about 450 lb. of opium and 10 lb. of cocaine were found. An inquiry is to be held by the Customs.

## Colonial and Foreign News.

**DYE-MAKING.**—The establishment of an aniline-dye industry in Ontario is mooted. The importance from a national point of view of being independent of Germany is the chief reason for the project. It is stated that sufficient raw products can be assured.

**NICKEL-REFINING.**—By the agreement between the International Nickel Co. and the British American Nickel Co. and the Governments of the Dominion of Canada and Ontario refining-plants will be established in Ontario. The international plant will be established on Lake Erie.

**LABORATORY GLASS** is now made in Holland by the Glass Works, Leerdam, formerly Jeckel, Mijnsen & Co., in Leerdam. The glassware appears to be proof against chemicals, and to be a perfect substitute for Jena glass in every respect. The name of the new glass is "Laborax-Leerdam."

**CHEMICAL PURITY.**—According to a Swedish Ministerial Decree the limits of purity which the Pharmacopoeia puts to the following medicaments will be made less rigorous provisionally, because they are not to be had in as pure a condition as the Pharmacopoeia wants: Boric acid, tartaric acid, copaiba balsam, Peru balsam, Venetian turpentine, borax, sodium bicarbonate, purified cream of tartar, gutta-percha, potassium nitrate, almond oil, alum, aluminium sulphate, magnesium sulphate, and tartar emetic.

**AMERICAN "ICHTHYOL."**—The current publication of the United States Geological Survey, Department of the Interior, on the production of asphalt and related bitumens in 1915 contains a brief note on ichthyol, which, prior to August 1914, was imported from the Austrian Tyrol. American imports had increased from 24,000 lb. in 1910 to 60,000 lb. in 1914, but dropped off last year to less than 25,000 lb. In view of the inadequacy of the foreign supply to meet the domestic demand under present conditions, American chemists (says the report) have solved the problem of supplying the domestic needs, and favourably recommend substitutes for ichthyol prepared from domestic materials by synthetic methods.

**"STUPEFYING" DRUGS.**—The new French law dealing with "stupefying" drugs has now been published. It repeals Articles 34 and 35 of the Law of Germinal, and modifies and completes the Act of July 19, 1845, which has proved insufficiently drastic to cope with modern conditions. Article 1 imposes for infraction of existing Poisons Regulations fines of from 4l. to 120l. and imprisonment for from six days to two months; but for opium, its extracts and alkaloids (except codeine), salts and derivatives, cocaine, its salts and derivatives, and hashish the penalties are to be 40l. to 400l., and three months to two years. The use of these drugs in public (*en société*), procuring them, or popularising them, as by opium-den keeping, etc., will make offenders liable to similar penalties, while their delivery against forged prescriptions or without proper authority will be punished in the same way. The article seized may be confiscated, and the offending premises closed for prescribed periods. In case of repeated offences the penalties may be doubled. The matter was discussed at a recent meeting of the Paris Society of Pharmacy, when Dr. Henri Martin remarked that the honest pharmacist has nothing to fear. Article 3 expressly states that the offence must be "knowingly" committed. As the presentation of a forged prescription is now a severely punished offence, the pharmacist need not hesitate to call in a policeman, and thus not only rid himself of undesirable clients, but ensure that they will smart for having tempted him.



## Legal Report.

**Olive Oil.**—At the Birkenhead Borough Police Court on August 25, Mr. Arthur H. Ellithorne, chemist and druggist, of 26 Wellington Road, Birkenhead, was summoned for selling olive oil not of the nature, substance, and quality demanded, inasmuch as the drug contained mineral oil to the extent of 7.5 per cent. Mr. Hines, solicitor from the Town Clerk's department, prosecuted, and defendant was represented by Mr. William Rudd, solicitor, of Liverpool. Formal evidence as to the purchase of 8 oz. of olive oil from the defendant on July 12 was given by Inspector Rackham. Mr. Hines said he understood there was to be an application for the defendant that the third sample, which had now been identified, should be sent to the authorities at Somerset House, and he therefore proposed to reserve his right to go into the case fully on the next occasion. Mr. Rudd formally applied that the third sample be sent to the Government analyst pursuant to Act of Parliament. The Bench acceded to the request, and the case was adjourned *sine die*. Mr. Hines mentioned that the expenses of the Government analysis could be paid by either the plaintiff or the defendant, as the Bench might direct, and he suggested that that should be left over to the further hearing. The Chairman: Yes.

## New Companies and Company News.

**P.C. means Private Company and R.O. Registered Office.**

**HIGHAM GLASS AND BOTTLE CO., LTD. (P.C.).**—Capital 8,500/. R.O., 20 Regent Street, Waterloo Place, London, S.W.

**BARTHES-ROBERTS, LTD. (P.C.).**—Capital 6,500/. Objects: To take over the business of cork-merchants, carried on at 1 Savage Gardens, E.C., as A. Barthes & Co., Roberts & Son, and J. K. Pitt.

**KYL FYRE (P.C.).**—Capital 3,000/. Objects: To take over the business of H. F. M. Varley, manufacturer of "Kyl Fyre," 5 Hurst Road, Eastbourne. H. F. M. Varley and H. Wiggins are the first directors.

**BRITISH GLASS BOTTLES, LTD. (P.C.).**—Capital 12,000/. Objects: To take over the business of a glass-bottle manufacturer, carried on by F. W. Hampshire at Kilburn, Derby, as the "Kilburn Glass Co."

**BELENITE CHEMICAL CO., LTD. (P.C.).**—Capital 2,000/. Objects: To take over the business of chemists and oil and colour men, carried on by C. Boothby, R. G. Jones, and L. S. Jones, at Olympic Works, Sugar House Lane, Stratford.

**E. CATCHPOLE & SONS (LONDON), LTD. (P.C.).**—Capital 40,000/. Objects: To take over the business formerly carried on by the late E. A. Catchpole and F. J. Catchpole at Plough Bridge, Rotherhithe, as "E. Catchpole & Sons," and to carry on the business of distillers of tar and other chemical products. R.O., Plough Bridge, Rotherhithe, S.E.

**APOLLINARIS AND JOHANNIS, LTD.**—Lord Bessborough stated at a meeting of the debenture-holders on August 30 that interest on the Four per Cent. Debenture stock had been paid up to the end of March. A scheme has since been drawn up providing for the suspension of the payment of interest in cash until the expiration of one complete financial year after peace has been signed, stockholders to receive interest certificates carrying 6 per cent. interest, payable in cash half-yearly, and redeemable out of profits earned after peace. There will be no distribution of assets to preference or ordinary shareholders until these certificates had been so satisfied.

**KEMP & CO., LTD., Wholesale Druggists, Bombay.**—The annual report for the year ended March 31, 1916, states that in spite of great difficulties in obtaining and shipping supplies from Europe and elsewhere, and abnormally high prices, the volume of business done is in excess of the previous year, and the result has proved very satisfactory. The balance of profit-and-loss account is Rs.78,933-15-5, and after writing off Rs.19,240 for depreciation, the balance is Rs.59,693. It is proposed to pay a dividend of 8 per cent. (Rs.32,000), to place to reserve fund Rs.10,000, to equalisation of dividends fund Rs.10,000, and to carry forward Rs.7,693-15-5. A bonus of half a month's pay is to be granted to employees who have been in the service of the company for twelve months and over.

## Deed of Arrangement.

**Vincent, Elizabeth Charlotte**, trading as Vincent & Co., chemists and druggists, 94 High Street, Clapham (wife of John Vincent).—Trustee: P. S. Booth, 32 Kimberley House, Holborn Viaduct, E.C., accountant. Dated, August 19; filed, August 26. Liabilities unsecured, 1,044/.; estimated net assets, 300/. The trade creditors include: Butler & Crispe, Ltd. (100/.); Evans Sons Lescher & Webb, Ltd. (25/.); Corbyn, Stacey & Co., Ltd. (26/.); J. B. Hay & Co. (11/.); Lorimer Marshall, Ltd. (23/.); Lovell & White (11/.); Mills & Co. (12/.); British Medical Association (25/.); English Brush Co. (30/.); Curling, Wyman & Co. (17/.); Barrett Bros. (15/.); Boulton Macro, Ltd. (22/.); T. Kerfoot (11/.); Melanoca Co. (25/.).

## Birth.

**PAYNE.**—At Old Leake, Lincs, on August 23, the wife of G. H. Spencer Payne, Ph.C., of a son.

## Marriage.

### Golden Wedding.

**ANDERSON—MARSHALL.**—At Sword's Wynd, Falkirk, on the 14th August, 1866, by the Rev. Wm. Holdon (brother-in-law of the bride), Edmund Hardie Anderson, chemist, Denny, to Catherine, youngest daughter of the late James Marshall.

## Deaths.

**BROCK.**—At Heyes Wood, Hertford, suddenly, from heart-failure, on August 25, Mr. Frederick William Brock, a director of Brunner, Mond & Co., Ltd., aged fifty-three. Mr. Brock was largely responsible for the recent agreement with the Castner-Kellner Co., to consolidate the British chemical industry after the war, and for the amalgamation of the soap and chemical industries. He was chairman of the Crosfield Soap Co., a director of Castner-Kellner Alkali Co., President of the United Kingdom Soap Manufacturers' Association, and member of the Association of British Chemical Manufacturers.

**HEATON.**—At Harrogate, on August 24, Mr. John Lodge Heaton, chemist and druggist, of 44 Commercial Street, Batley, aged seventy-five. Mr. Heaton, who had been in business over half a century, took over the business of Mr. James Husband, with a partner for the grocery side, in 1863, and a few years later became sole proprietor. In March last Mr. Heaton and his wife celebrated their golden wedding. Of the family of seven, the only son, Mr. Thomas Heaton, is engaged in the business.

**MURPHY.**—At Mackinac Island, Michigan, on August 11, Dr. John Benjamin Murphy, aged fifty-nine. Dr. Murphy was the eminent surgeon whose work in connection with the "Murphy button" was the means of advancing abdominal and intestinal surgery perhaps more than anything else in modern times. He was born in Appleton, Wis., on December 21, 1857, and after qualifying in medicine and surgery practised in Chicago. His abilities and originality were recognised all over the world, and many honours were conferred upon him, especially in regard to his surgical work and the piece of decalcified bone which he introduced as a means of bringing together and joining two ends of intestine after removal of a malignant part. This was contemptuously called the Murphy button when he introduced it, but contempt gave way to admiration when Dr. Murphy's method proved to be one of the world's greatest blessings.

**SMITH.**—At 45 Healdfield Road, Castleford, on August 19, Mr. Westby Smith, chemist and druggist, aged forty-six.

### Died on Service.

**CROWTHER.**—Killed while on active service on August 20, Lieutenant Oswald Hubert Crowther, R.N.V.R., aged twenty-one. He was the youngest son of Mr. Horace W. Crowther, for many years chemist and manager to Chance & Hunt, Oldbury. Lieutenant Crowther took the degree of Master of Science at the University of Birmingham when only nineteen years old. He met with his death while flying near the enemy's coast, and his pilot officer was taken prisoner.



**FARMER.**—Lieutenant Charles George Edgar Farmer, King's Royal Rifle Corps, who fell in action on August 13, was a Fellow of the Chemical Society. He was a barrister of the Inner Temple, and, following the patent line, entered the chambers of Mr. A. H. Colefax, K.C.

**FORRET.**—Killed in action on July 1, Private John Sinclair Forret, Royal Scots, younger son of Mr. John A. Forret, chemist, Brougham Place, Edinburgh, aged twenty.

**GARVEY.**—Killed on service, Private Alexander Garvey, of the South Lancashire Regiment, formerly with Benger's, Ltd., Manchester, aged twenty-four.

**GAULTER.**—Killed in action on August 13, Second-Lieutenant Charles Pendrick Gaulter, chemist and druggist, only son of Mr. C. R. Gaulter, chemist and druggist, Blackpool, aged twenty-three. He was apprenticed to Mr. Huddart, Blackpool, and later joined his father in business. He passed the Minor in January 1915. He leaves a widow and a four-months-old child.

**HAYLETT.**—Lieutenant Newman Haylett, who was formerly manager to Trotman & Co., chemists and druggists, 16 Cambridge Street, Hyde Park Square, London, W., was wounded in action on August 13, and died the following day. He passed the Minor examination in 1905.

**HEDGES.**—Captain W. H. Hedges, who was wounded on August 13, died on August 21, at the age of twenty-three.



CAPTAIN W. H. HEDGES.

Captain Hedges was the son of Mr. W. R. Hedges, of Hedges (Chemists), Ltd., Dale End, Birmingham, and was the grandson of the founder of the business, Mr. W. R. Hedges, sen., which was established in 1844. He represented the third generation of his family on the directorate of the company. When war broke out he was given a commission in the Royal Engineers, and went to the Front early in 1915. In May of last year he was wounded while taking first-aid to a wounded man near Ypres, and for his gallant conduct the King bestowed the Military Medal upon him. On recovery from

his wounds he served in Egypt and France. Writing to his father, his Brigadier-General said: "Your son was doing very well, and the men adored him. He is a great loss to me and the company."

**IRONS.**—Died of wounds, Private James Irons, Royal Scots, aged twenty-two. Before he enlisted he was with Mr. W. Sime, chemist, Lochee Road, Dundee.

**JACKSON.**—Killed in action on the night of August 19, Second-Lieutenant John Jackson, of the Gloucester Regiment, only son of Mr. J. T. Jackson, chemist, Fore Street, Ipswich. He took part in a successful company raid on the enemy's trenches, and was shot through the head when returning. He was a registered chemist and druggist, having served his apprenticeship with Mr. H. D. Kelf, Ph.C., Bromley, afterwards studying at Wills's College and passing the Qualifying examination in April 1914. In November 1914 he was appointed dispenser at the Military Hospital, Dovercourt, remaining there until August 15, 1915, when he obtained a commission. The battalion Chaplain, in a letter to Lieut. Jackson's parents, states that his death was instantaneous, and he was buried with a number of fallen comrades. He adds that he was immensely popular with both officers and men, of whom quite a number attended his funeral.

**KETTLEWELL.**—Fell in action on July 17, Private J. W. Kettlewell, aged twenty-five. He was apprenticed to Raines & Co., wholesale druggists, with whom he stayed nine years, leaving ten months before the outbreak of the war to take up an appointment as traveller for Clark, Nettleship & Bailey, Leicester. At the commencement of the war he volunteered for service, and after a year's training left for the Front in July 1915.

**LAMING.**—Private Fredk. Laming, Royal Army Medical Corps, who has lost his life in France, enlisted while with Mr. W. H. P. Kent, chemist and druggist, East Molesey.

**SIMPSON.**—Killed in action on August 4, Private Ernest William Simpson, younger son of Mr. Charles Simpson, chemist, 5 King Street, Aberdeen, aged twenty-three. Mr. Simpson served his apprenticeship with his father, and was attending the pharmacy school at Robert Gordon's College in January 1916, when he entered on active service. He

underwent training with his regiment in Essex, and in June was one of fifty selected to go to France. The last communication received from him, dated August 1, intimated that they had been in the second-line trenches, but were then going into the first. It was only on August 23 that his death became known in Aberdeen. Mr. Simpson was a most promising young man, very smart in business, and a great favourite in trade circles. He occupied the presidential chair in the Junior Aberdeen Association of Pharmacy in pre-war days.

**WESTON.**—Private Joseph Fredk. Weston, of the K.R.R., was killed in action on August 9. He was twenty years of age, and left his employment at T. E. Butler, Son & Co., chemists and druggists, High Street, Leicester, in June 1915 to join. This is the second assistant of Messrs. Butler who has been killed, a previous one, Private B. Popple, 2nd Royal Fusiliers, having fallen at the Aisne in September 1914.

**WRIGHT.**—Private F. S. Wright, who has been killed in France by shell-fire, was formerly employed by Boots, Ltd., at their Huddersfield branch. He was twenty-seven years of age.

## Phenol-esters Patents.

At the Patent Office on August 25, the hearing took place, before the Comptroller-General of Patents (Mr. W. Temple Franks) and Sir Cornelius Dalton, of the application of W. J. Bush & Co., Ltd., manufacturing chemists, Ash Grove, Hackney, N.E., for the use of patent No. 8096 of 1909, "Process for the manufacture of phenol-esters chlorinated in the side-chain, and of oxybenzyl-alcohols, oxybenzaldehydes, and oxybenzoic acids," belonging to Friedrich Raschig, Ludwigshafen-on-the-Rhine; and No. 3053 of 1914, "Process for the preparation of esters of phenol homologues halogenised in the side-chain," belonging to Dr. Schmitz & Co. G.m.b.H., Düsseldorf.

Mr. Evans, for the applicants, explained that the two patents are alternative patents, although, so far as he was aware, there is no connection between the patentees. W. J. Bush & Co. is an old-established joint-stock company, with a capital of 250,000*l.*, and businesses in the United Kingdom, the United States, Canada, Russia, France, and Italy. The patents concerned processes of making salicylic aldehyde, which was an intermediate product in the manufacture of salicylic acid and aspirin. The present methods of producing salicylic aldehyde require the use of phenol, which cannot be obtained in sufficient quantity at present, as it is required for national purposes. Salicylic acid is an important article of manufacture, and finds many uses as a preservative, antiseptic, and medicinal agent.

Mr. Evans then explained that by the use of the Raschig patent it would be possible to employ cresol in place of phenol. Hitherto the chlorination of phenols with side-chains has resulted in the chlorine entering the benzene nucleus, but Raschig finds that the chlorine can completely or almost completely, enter the side-chains if inorganic or organic acid residues are introduced into the hydroxyl group of the phenol. Specially suited for this purpose are the esters of carbonic acid and phosphoric acid, which can be easily produced from phosgene or phosphorus oxychloride and the corresponding phenols. Raschig has worked out the conditions under which the changes can be made. He states in his patent-specification:

The esters thus obtained are melted and treated with chlorine at an increased temperature, preferably between 150° and 180° C., until the increase of weight calculated for the entry of 1, 2, or 3 chlorine atoms has taken place. In this manner the esters of substituted benzyl-chlorides, benzal-chlorides, and benzo-trichlorides may be obtained which are intended to be used in the dyeing-industry, perfumery, and pharmacy. The principal importance of the present process, however, consists in the fact that by the saponification of these chlorination-products oxybenzyl-alcohols, oxybenzaldehydes, and oxybenzoic acids may be easily obtained, thus providing a simple method of deriving these products from easily available and cheap cresols, xyleneols, and similar materials.

The Schmitz patent, which appears to cover the same process, provides that the action can take place in the presence of light, preferably a light rich in ultra-violet rays, and this can take place at ordinary temperature or below 100° C. Mr. Evans pointed out the advantages of using a low temperature in such operations as those involving the use of solvents—carbon tetrachlorine, for example.



Dr. P. C. Isherwood, chemist to W. J. Bush & Co., in the witness-chair, answering questions asked by the Comptroller, said the royalty proposed to be offered was 2½ per cent. on the pre-war market-price (2s. 6d. lb.) of all salicylic aldehyde made, or 1d. per lb. to each of the patentees if both the patents are used. It may, however, be found necessary to use only one of the patents, in which case payment would only be made for the patent used.

Mr. Wetter, who appeared for Dr. Raschig, agreed with the offer, but added that he had not received instructions from the patentee.

Mr. Justice, who appeared for Schmitz & Co., contended that the Schmitz patent was not confined to the use of violet rays; the low temperature was essential.

The Comptroller asked if it would be possible to keep separate records of the salicylic aldehyde made by the two processes.

Dr. Isherwood said that would be done. He added that there is the question involved of an infringement of the Raschig patent if the Schmitz patent were employed; that is why the offer of royalties involved both patents.

In answer to Sir Cornelius Dalton, Dr. Isherwood said that at first it was proposed to make from 600 lb. to 700 lb. of salicylic aldehyde per week, which involves a large expenditure in plant. It is not possible to say at present whether the Schmitz patent offers any advantage. If other products covered by the patents were made, payment of royalty would be on the same basis as in the case of salicylic aldehyde.

The Comptroller said he saw no reason why a licence should not be granted, and should make a recommendation to that effect to the Board of Trade.

## Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

### ENEMY BUSINESSES.

Replying to Major Hunt, who asked how many manufacturing concerns belonging to enemies in the United Kingdom had been prohibited or wound up since the war began, Mr. Pretyman said orders have been made under Section 1 of the Trading with the Enemy Amendment Act, 1916, in respect of 312 businesses, of which approximately fifty carried on some manufacture in the United Kingdom.

### THE COCAINE REGULATIONS.

In the House of Commons last week, Mr. P. W. Raffan, M.P., who has taken a prominent part in the agitation of the unregistered dentists, asked the Home Secretary whether the general permit to unregistered practitioners in dentistry to use solutions containing not more than 1 per cent. of cocaine for the purposes of their practice has been or is to be extended beyond September 15; and, if so, what is the date of such extension.—The Home Secretary said the general permit will be extended to October 15.

### NO MINISTER OF COMMERCE.

Regret has been expressed at an announcement made by the Prime Minister in the House of Commons on August 17 which would lead to the belief that the Government are indisposed at the present moment to proceed to the appointment of a Minister of Commerce. Mr. Asquith stated that steps were being taken to place the Board of Trade in a position to deal effectively with post-war economic and commercial problems, but as at present advised he doubted whether the object would be furthered by the multiplication of Ministries.

### USE OF ALCOHOL IN HOSPITALS.

Major Chapple, M.P., who for some time past has been serving in a medical capacity at the Front, asked the War Secretary on Wednesday whether it has been brought to his notice that many surgeons in military hospitals prescribe no alcohol in any form whatever, while others prescribe champagne, wines, spirits, beer, and stout; and whether he will, in the interest of wounded men as well as in the interest of hospital economy, cause instructions to be issued that, when alcohol is deemed by a medical officer to be beneficial, it shall be prescribed through the hospital chemist only in its medicinal form as set out in the British Pharmacopoeia and not in the form of a beverage.—Mr. Forster replied that the prescribing of alcohol must be left to the discretion of the medical officer attending the case. It is not considered practicable to arrange for the supply of beer and such like beverages through the hospital dispensary.

MESSRS. ULIVI & SAAD have acquired the pharmacy of Geo. Ruelberg, St. Mark's Buildings, 1 Rue de l'Ancienne Bourse, Alexandria, Egypt. It will be carried on as the "St. Mark's Dispensary."

## Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. A. H. TOMPKINS (James Tompkins, Ltd., indiarubber-manufacturers, 386 City Road, E.C.) is now progressing favourably, after a successful operation for appendicitis.

MR. WILFRID T. ALLEN, chairman of Allen, Harding & Co., Ltd., chemical-manufacturers, Leadenhall Street, E.C., and Deptford, has been chosen as prospective Conservative candidate for Poplar.

CAPTAIN H. N. BRINSON, Liverpool Regiment, who has received the D.S.O., is the son of Mr. George Brinson, the North Wales representative of Evans Sons Lescher & Webb, Ltd. The honour was obtained "For conspicuous gallantry in action. He led his company with great dash and skill across the open, dealt with the enemy's machine-guns, and, after accounting for many of the enemy, consolidated his position and repelled a counter-attack. During the next twenty-four hours he repelled another counter-attack and did further fine work." Captain Brinson was wounded by a bullet in the left thigh on July 30.

SIR CHARLES BEDFORD has been appointed the first Secretary of the Association of British Chemical Manufacturers. Sir Charles graduated M.D. and D.Sc. at Edinburgh in 1892, and is M.R.C.S. Eng. He entered the Indian Medical Service in 1889, and in 1909 became lieutenant-colonel. He was actively engaged in chemical investigations for the Indian Government, was Professor of Chemistry at the Calcutta and Lahore Medical Colleges, and Editor of the "Indian Medical Gazette." From 1906 to 1911 he was director of the Central Excise Laboratory for India, and retired in 1911, when he received the honour of knighthood.

MR. JOHN DUNCAN, Ph.C., F.C.S., who has been appointed a member of the Council of the Pharmaceutical Society of New South Wales, is a Morayshire man who was apprenticed to Mr. William Reid, chemist, Aberdeen, and while with him attended the botany and chemistry classes at Gordon's College there, passing the Minor examination in Edinburgh in April 1897. He had experience in Edinburgh, Glasgow, and Birmingham before entering the Wellcome Chemical-works, Dartford, and while there passed the Major examination in January 1903. He also studied bacteriology and other subjects—the former at King's College, and others, under Dr. Lapworth, F.R.S., at the Goldsmiths' Institute, New Cross. Mr. Duncan was appointed manager of Burroughs Wellcome & Co.'s laboratories at Sydney, N.S.W., in 1905; in 1912 he became associated with Mr. A. E. Durno, Ph.C., Sydney, and is now managing director of Durno, Ltd., 180 Pitt Street, Sydney.

## Information Department.

### INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

- |   |  |
|---|--|
| 55/57 Dr. Erasmus Wilson's Galbanum and Opium Plasters. | 170/9 Japanese lens paper (for cleaning lenses, spectacles, etc.). |
| 57/26 Pino Menthol pastilles, makers.                   | 60/42 "Victor" brand carbolic acid: makers.                        |
| 57/30 "Thrombo Kinase."                                 | 170/10 "Soldiers'" ideal socks: makers or suppliers.               |
| 57/38 Sir Henry Thompson's Liver Mixture.               | 60/62 "Key" brand ammonium carbonate (J. T. Martin).               |
| 54/42 Olenum Senalgum.                                  | 60/38 Holloway & Newall: address.                                  |
| 59/56 "Nova-Vita" food.                                 |  |
| 59/2 Alexander Perfumery Co.'s goods.                   |  |

### INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

- |  |  |
|--|--|
| Animal oil, 55/54                        | Pill and tablet machinery, 57/56           |
| Boat-shaped glass feeding-bottles, 57/25 | Radium bath-salts, 58/34                   |
| Bone shields and soother fittings, 57/25 | "Sivan" corn-planes, 56/43                 |
| Collapsible-tube filling machines, 58/56 | Seymour's liq. papain et iridin co., 55/39 |
| Cork socks, 170/10                       | Snake oil, 60/33                           |
| "Eureka" tablet machinery, 55/13         | "Solubie" copper sulphate, 59/25           |
| Face-powder boxes, 57/10                 | Tablet machinery, 55/13                    |
| Folding cartons, 54/8                    | Turned-wood soother fittings, 57/25        |
| "Germinol," 59/25                        | Vermine-proof vests, 55/64                 |
|  | Willow-box substitutes, 59/2               |



## Observations and Reflections.

By Xrayser II.

### I Cannot Congratulate the Pharmaceutical Society

on the manner in which the prosecution of Mr. Carmichael was conducted, and my sympathy with its action against his assistant is modified by the fact of the previous quarrel with him. Mr. Carmichael ought not, of course, to have used the letters "M.P.S." after withdrawing from the Society, nor ought Miss Young, being unqualified, to have sold oxalic acid, and each of them was quite properly fined. But the prosecution argued as if it is incumbent upon every chemist and druggist to be a member of the Society, and as if to withdraw from it is to "fall back" upon an inferior position. Probably the Society thinks so; but I wonder what it thinks of its Council's explanation of its functions—the looking after the rights and privileges of chemists and the seeing that nobody who is not qualified carries on business as a chemist? This is putting the cart before the horse with a vengeance. The oxalic-acid case shows how very insecure, logically, is the protection afforded us by the Pharmacy Acts. To sell oxalic acid is not to "dispense" poisons, and if it is necessary for the safety of the public that the sale of all poisons should be confined to chemists, why are not all poisonous substances, and especially those of the same nature which are equally often misused, placed on the schedule?

### Your Article on Salicylates

presents the problem of protection in a form that should facilitate its solution in the case of any given commodity. It is impossible to argue practical questions in the abstract; they must be decided on practical grounds; actual facts, not principles, must be the determining consideration. And if it is a fact that the home production of salicylates is impracticable without protection, then the only question for statesmen is whether home production is more important than a cheap supply. It is quite possible that it may be so, and the possibility becomes virtually a certainty if temporary protection is likely to enable the home producer ultimately to compete with the foreigner on equal terms. The question is entirely one for experts, as distinguished from *doctrinaires*. It is a question of facts and reasonable inferences from facts. One of the facts may be that we have to deal with men who will not produce even necessities for us without a certainty of some profit to themselves, but it is as unreasonable to ignore this as any other fact.

### The Boasted Enterprise of the British Tradesman

is admirably illustrated by the fact that in the purely rural village in one of the home counties in which I have been staying for three or four weeks it has several times been impossible to buy either eggs or potatoes. There are two large shops in the place, both claiming to be "stores," and one of them under the management of a company that runs similar shops all over the county. There are apparently plenty of domestic fowls about, and there is certainly no lack of land, but it is only occasionally and, as it were, by accident that either of these necessities can be procured. I suggest that there is here a fine field for the Royal Horticultural Society and those good ladies who are interesting themselves in the cultivation of medicinal plants and such-like industries. Food is at least as necessary as drugs, and its home production would seem to be of equal importance.

### The Dislike of Tablets

in France is well known, and it is therefore not surprising to read your report of the discussion at the Paris Society of Pharmacy. The French pharmacist no doubt feels, as many of us felt thirty years ago, that the advent of the tablet means the giving up of much of the extemporaneous dispensing that in the old days was done exclusively by the pharmacist him-

self. In France, where the professional spirit is strong in pharmacy, it is natural to expect that the tablet will be received with hostility; but I rather think that even there our *confrères* will have to give way before the inevitable. The argument as to guaranteeing the purity of the product applies just as much to tablets as to cachets. A pharmacist who dispenses sodium salicylate can guarantee its purity as well in the one case as the other. If he doubts the *bona fides* of the manufacturer, he can analyse the tablet just as he analyses the powder itself, and his guarantee is a personal one in both cases.

### The Fabian Society

has just published at twopence a tract (No. 179 of the series) dealing with the social ethics of John Ruskin. It comes very opportunely in view of the social reconstruction which so many publicists anticipate at the end of the war, and members of the Society have been especially asked to bring it to the notice of the Press. I am not a Fabian, but the request has reached me through a friend who is. I remember very well the storm raised by the appearance in "The Cornhill" of the opening chapters of "Unto this Last," in which Ruskin began to set forth his supposedly Socialistic views—a storm so violent that in the interest of the magazine the appearance of the articles had to be stopped. Glancing through this new tract, I am surprised to find how far Ruskin anticipated the road taken by recent legislation dealing with labour especially, and with other problems of political economy. He denied that he was a Socialist, and declared the Socialistic ideal to be impracticable, but he foresaw the necessity of a good deal of what is usually regarded as Socialistic legislation, and it can hardly be doubted that our future course will to some extent be influenced by his teaching.

### Cleopatra's Pearl

is being discussed at some length in "Notes and Queries," the question having been asked whether it is possible to dissolve a pearl in vinegar and drink it, as Cleopatra is said by Pliny to have done at a supper she gave to Mark Antony. The general opinion appears to be that it is not, but instances of the solution of pearls in strong acids are not wanting, and though it may be conceded that Cleopatra can hardly have quite dissolved so large a specimen as hers presumably was in the manner described by Pliny, she might succeed in so softening and reducing it that it could be swallowed without visible effort. Pearls, after all, consist largely of calcium carbonate. The question is interesting to pharmacists because of the use to which pearls were formerly put in medicine. Wootton appears to infer that the magistrery of pearl was a quack medicine, but there was a magistrery of pearl and coral in our own Pharmacopœia, which was made by reducing these substances to a subtle powder, dissolving them in spirit of vinegar, and then precipitating them by the addition of liquor of tartar to the solution. This magistrery was soon dropped, but pearls were not dismissed from our official *materia medica* until 1783.

### Two Famous Dentists

of the eighteenth century are made the subject of an interesting note by Mr. Horace Blackley in a recent number of "Notes and Queries," in which a good deal of light is thrown upon the practice of dentistry in their day, about which, says the writer, little appears to be known. Precedence is given in the article to Jacob Hemet, grandson of Peter Hemet, who was himself "Operator on teeth to his Majesty," and who died in 1747, worth 20,000*l*. His sons appear to have adopted his profession, but the most famous member of the family was the aforesaid Peter, who was for forty years dentist to the Royal Family. His great rival was the "Chevalier" Ruspini, who died in Pall Mall, aged eighty-six, in 1813, having been for upwards of fifty years in practice in this country, twenty-six of them in partnership with his eldest son. He called himself "surgeon-dentist"—a title not, I think, much if at all in use previously; indeed, "dentist" itself appears to have been a new word, considered rather pretentious in 1759.





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## Editorial Articles.

### The Linseed-oil Outlook.

THERE has certainly been a material change for the better in the position of linseed oil during recent weeks, and a great deal more activity has been witnessed. The renewed upward movement was quite in line with the more optimistic views generally expressed in trade circles for some little time past, this being due to the less favourable crop outlook, especially in North America. The successive sharp advances in the price of linseed had at first very little effect on the market for the by-product, in consequence of a disappointing demand from consumers and a much-reduced consumption generally, which was the chief reason for the persistent decline during the greater part of the first half-year. In the earlier part of the year the spot price of linseed oil in London was as high as 45l. 5s. per ton, but it sagged away to about 32l. 10s. towards the end of June last. The average price for January was about 44l. 5s., compared with 26l. 10s. 6d. in 1915 and 24l. 7s. 3d. for the same month in the two previous years. The price has lately advanced to within measurable distance of 40l., this marking a recovery of roughly 7l. per ton from the lowest of this year. The position of raw material has been considerably strengthened during the last few months, while exports from the River Plate have been seriously hindered by freight difficulties. During the past year the shipments from the Argentine for the seven months to the end of December were about 450,000 tons, of which total about 170,000 tons was despatched to the United States. The takings this year in the latter quarter are less, but it is assumed that the Argentine crop-yield will be short rather than in excess of the previous year. At the same time the sowings in Canada have been reduced by 25 per cent., and it is probable that America will be compelled to import more largely after the autumn.

The United States crop is expected to disclose a very big deficit against last year, which can only be made good by securing either Argentine or Indian seed. The Canadian surplus, in any case, will be of no special importance, compared with the previous few years, more especially 1912, when the crop was particularly abundant. India's contributions this year have been very large, showing a considerable increase over the previous year, and the returns would probably have assumed still larger dimensions but for the considerable advance in freights, which largely accounts for the much higher prices ruling compared with this time last year. The lack of sellers in the River Plate, due to prohibitive freight-charges, has, in a large measure, naturally compelled crushers on this side to compete keenly for Indian seed in order to cover their needs, but ship-room from India is short of current requirements. The shipments from that quarter already exceed 150,000 tons, while the last crop yielded about 344,000 tons of seed, against 287,000 tons in the previous year, when the total shipped for the same period was under 60,000 tons.



The continuation of the war for an indefinite period is certainly a decided adverse feature in the consumption of oil, while export business is severely restricted. The quantities required for home consumption remain considerably under the normal, but the outlook in seed, nevertheless, points to a rather serious shortage later, and this is the chief "bull" factor. Sellers of forward positions are reserved, and the premium on the latter looks like stiffening further. Speculative buying lately has been more in evidence, and although some temporary reaction may eventually ensue, the tendency of the market favours the establishment of higher prices in the long run. Amid exceptionally active industrial conditions across the Atlantic, the consumption of linseed oil is likely to be well maintained. The average price of London spot oil in barrels was 24*l.* 17*s.* 6*d.* for 1914, and 30*l.* 3*s.* 9*d.* per ton for 1915, and it is likely to reach a much higher figure for the current year, judging from present indications of prospective supplies of raw material, while consumption may eventually show some improvement.

### The Sale of Benzin.

THE reply which we gave to a subscriber last week (p. 56) regarding the effect of the Finance Act, 1916, Secs. 15 and 16, on the sale of small amounts of benzoline has brought us a number of inquiries as to whether a chemist may sell small bottles of benzin to persons not holding licences to purchase motor-spirit without infringing the law. The answer is that, strictly speaking, he may not. We may recall that when the Finance (1909-10) Bill, 1910, made it necessary for dealers to have licences for the sale of motor-spirit, we pointed out while it was under consideration in June 1909 that this would prevent the sale by unlicensed persons of comparatively small quantities of benzoline and other liquids used for the removal of grease from clothes, etc. We then suggested that no licence should be required by retailers of less than one pint of motor-spirit per diem to one person, and during the Committee stage of the Bill, October 29, 1909, the Chancellor of the Exchequer (Mr. Lloyd George) moved to add the following:

"But a person may sell motor-spirit in a quantity not exceeding one pint at one time to one person without taking out a licence as a dealer in motor-spirit."

This was agreed to, and the words quoted are actually contained in Section 84 (2) of the 1910 Act. This safeguards the interests of persons who require small quantities of benzin for domestic purposes, and appears to have been overlooked when the Finance Act, 1916, was in Parliament, as the latter contains no provision for the supply of motor-spirit to any persons other than those holding licences to purchase. Strictly, therefore, it is necessary for a customer who desires to purchase a 6*d.* bottle of benzin to produce his licence before it can be supplied. The users of benzin for domestic purposes are obviously not persons who have provided themselves with licences, and we question whether the Petrol Control Committee would issue a licence for any quantity smaller than 2 gals. It should be borne in mind that the limitation of the supply of petrol to private users is a war-time measure, and that the difficulty is transitory. We are also very doubtful whether the authorities would prosecute a chemist who continues to sell to an unlicensed person in a *bona-fide* manner the small amounts of benzin or benzoline (which are "motor-spirit") that everybody was allowed to sell before the new Finance Act came into force. It is impossible for the authorities to do anything in

the matter until the law is altered by Parliament, and we suggest that chemists and all others interested should take steps to have this done, as by writing to their members of Parliament. We quote Section 16 of the new Act, which is what abrogates Mr. Lloyd George's provision of 1910:

16. (1) A person shall not, on or after the first day of August, nineteen hundred and sixteen, obtain or attempt to obtain a supply of motor-spirit unless he is the holder of a licence for the time being in force under the preceding section of this Act, or in excess of the amount with which he is authorised to be supplied by the licence.

(2) A person shall not, on or after the first day of August, nineteen hundred and sixteen, supply motor-spirit to a person who is not the holder of a licence for the time being in force under the preceding section of this Act, or in excess of the amount authorised to be supplied by the licence.

(3) A person supplying motor-spirit shall, on or after the first day of August, nineteen hundred and sixteen, in such manner as may be directed by regulations made under the preceding section of this Act, enter on the licence of the person supplied the name and address of the supplier, the amount supplied, and the date on which it was supplied.

(4) A person shall not use motor-spirit, with which he is authorised to be supplied for any special purpose by his licence, for any other purpose.

(5) If any person acts in contravention of, or fails to comply with any provision of, this section, or makes any entry on a licence which is false in any material particular or makes any statement which is false in any material particular for the purpose of obtaining a licence or allowance or repayment of duty, he shall be liable to an Excise penalty of one hundred pounds.

This is really too awful a threat to use against housewives who buy a pennyworth of benzoline or a small bottle of benzin, and we suggest that Mr. Lloyd George's exemption should be restored.

### Unemployment Insurance.

WE mentioned some time ago that legislation had been introduced for the purpose of extending the unemployment provisions of the National Insurance Act to munition-workers and certain other persons. The provisions are embodied in the National Insurance (Part II.) (Munition Workers) Act, 1916, which comes into force on Monday, September 4. It is required that any person engaged on or in connection with munition-works and those employed in a trade mentioned in the schedule shall be regarded as workmen employed in an insured trade. Seven trades are scheduled, but we need mention three only:

The manufacture of ammunition, fireworks, and explosives.  
The manufacture of chemicals, including oils, lubricants, soap, candles, paints, colours, and varnish.  
The manufacture of rubber and goods made therefrom.

Every workman employed in an insured trade pays 2½*d.* for every week he is so employed, and his employer pays the same amount, but 1*d.* is substituted for 2½*d.* in the case of a workman below eighteen years of age. Under the 1912 Act, Statutory Rules and Orders have been issued which have been of considerable assistance in deciding what workmen are or are not liable to pay unemployment payment. All such matters come under the consideration of the Umpire, 47 Victoria Street, London, S.W., who has the power to decide whether or not contributions are payable. He has already had numerous inquiries from the chemical and drug trades as to whether employes come under the new Act, and has issued the following decisions that are of interest to our readers:

*Contributions are payable in respect of—*  
All classes of workmen engaged in the manufacture of anilino dyes.

Workmen, including warehousemen, engaged in the manufacture of French polish and spirit varnish.

Workmen and labourers engaged in the manufacture, including wheeling and bagging, of chemical manures or artificial fertilisers.

Oil-blenders, varnish-makers, gum-runners for varnish-making, labourers, packers, grease-makers, engineers, and any other workmen employed in connection with the manufacture of varnish.



Acid men, detoluator men, nitrator men, sulphonator men, granulators, packers, drying-house men, laboratory men, and all other classes of workmen and labourers employed in the manufacture of picric acid, T.N.T., and similar substances.

All classes of labourers in factories and workshops, or in yards or stores immediately connected therewith, when the aforesaid factories or workshops are wholly or mainly engaged in carrying on any of the trades insured under the provisions of the First Schedule to the National Insurance (Part II.) (Munition Workers) Act, 1916, or wholly or mainly in munition-work.

So far no other decisions have been given in cases pertaining to the drug-trade. If any employer is in doubt as to whether or not his workmen come within the trades mentioned, he should obtain the form U.I. 1 b. from the Umpire, Unemployment Insurance, 47 Victoria Street, London, S.W., and fill in the particulars required, which are as follows:

- (1) Name and address of employer.
- (2) Name and address of workman (when application is in respect of individual workman).
- (3) Occupation of workman or class of workmen and full description of work performed.
- (4) Where the question for determination is whether the work is "munition-work" as defined by Section 9 of the Munitions of War (Amendment) Act, 1916, describe fully the class of goods on which the men are employed, the purpose for which such goods are required, and the name of the purchaser.
- (5) Whether in opinion of applicant the employment of the workman or class of workmen is or is not employment in an insured trade, with reasons for the opinion.

### British Education.

THE Prime Minister has appointed two Committees to inquire into the position of science and modern languages in the system of education in Great Britain, thus giving effect to a feeling that has long existed among us as to our educational methods being too old-fashioned. The fact that they still bear an impress of the classical method and the manner that prevailed centuries ago led to the opinion that reform is inevitable. The war has stimulated national consideration of the whole subject, and Mr. Asquith's action will begin the work of reform. The extent of the inquiries is sufficiently indicated by the terms of reference and constitution, those of the Science Committee being as follows:

To inquire into the position occupied by natural science in the educational system of Great Britain, especially in secondary schools and universities; and to advise what measures are needed to promote its study, regard being had to the requirements of a liberal education, to the advancement of pure science, and to the interests of the trades, industries, and professions which particularly depend upon applied science.

The Modern Languages Committee's work is thus outlined:

To inquire into the position occupied by the study of modern languages in the educational system of Great Britain, especially in secondary schools and universities; and to advise what measures are required to promote their study, regard being had to the requirements of a liberal education, including an appreciation of the history, literature, and civilisation of other countries, and to the interests of commerce and public service.

Of the Science Committee, Sir J. J. Thomson, O.M., D.Sc., is to be Chairman, and among those associated with him are Professor H. B. Baker, D.Sc., F.R.S., who holds the chemistry chair of the Imperial College of Science and Technology; Mr. F. G. Ogilvie, C.B., LL.D., head of the Science Department of the Board of Education; Dr. Michael Sadler, C.B., Vice-Chancellor of Leeds University; and Dr. E. H. Starling, F.R.S., Jodrell Professor of Physiology, University College, London. The Committee is excellently constituted, men of experience being upon it. It will be noted that it is to consider, among other things, "the interests of the trades, industries, and professions which particularly depend upon applied science." This is where we think

pharmacy will come in. Although we do not suppose that such men as those we have named have been appointed members of the Science Committee because pharmacy may be considered, it is to be expected that chemistry and medicine will be prominent subjects in the inquiry, and such occupations as pharmacy will not be neglected. It is not necessary, and we do not propose, to discuss at present what the Science Committee may do, but it is desirable that those occupied in the practice of pharmacy should not make the mistake of thinking that this Committee is of no interest to them. It is expected that the inquiry will be of a most liberal nature. Not only is its object to review the system of education, but it is also intended to ascertain in what directions our science and industries may be improved by bettering our educational methods. The Pharmaceutical Society recently astonished retail pharmacy in Great Britain by a public discussion on pharmaceutical education. This gave the impression that the Council of the Society is contemplating some change in the conditions of qualification. Almost simultaneously the Government imposed on pharmacists and others conditions respecting the sale of certain poisons, which conditions are independent of the Poisons and Pharmacy Acts and beyond the control of the Pharmaceutical Society. In certain other directions the Society has during recent years materially changed its position from the simple condition of early days, when pharmaceutical education and examination were its principal functions. The Science Committee may now bring these and other questions related to the practice of pharmacy under national consideration, and what will happen then?

### The B.P.C.

FIFTY years ago THE CHEMIST AND DRUGGIST produced a double number and printed the contents on the cover—the first time that this was done. We have produced hundreds of double numbers since, but few of them have contained British Pharmaceutical Conference matters so interesting as those reprinted under Retrospect this week. We propose to confine this month's Retrospects to matters arising from the B.P.C. meeting in 1866.

### Proprietaries Containing Cocaine.

In the Cocaine Regulation there is a special sub-section which allows a medical man, when writing a prescription for a cocaine-containing proprietary medicine, to omit the total amount of the cocaine included in the prescription. This was no doubt inserted on the advice of the medical experts who were consulted before the Regulation was promulgated. It is interesting, therefore, to observe that the "British Medical Journal" adopts the attitude that this exception is unfortunate. Dispensing chemists particularly will smile when told that

The objection of practitioners to prescribe preparations the composition of which is not made known, or to sanction their use, is general, and we believe deeply rooted.

A long acquaintance with the habits of prescribers is not needed before one can disprove the "deeply rooted" objection to prescribing proprietaries. There is not an Insurance Committee in the United Kingdom that has not had its anxieties increased in the administration of the Medical Benefit of the National Insurance Act by the reckless manner in which panel doctors prescribe proprietaries, the use of which they defend by asserting that panel patients receive the same treatment as private patients. This seems to show that the practice of prescribing proprietaries is fairly general with the medical profession.

### Traders' Black List.

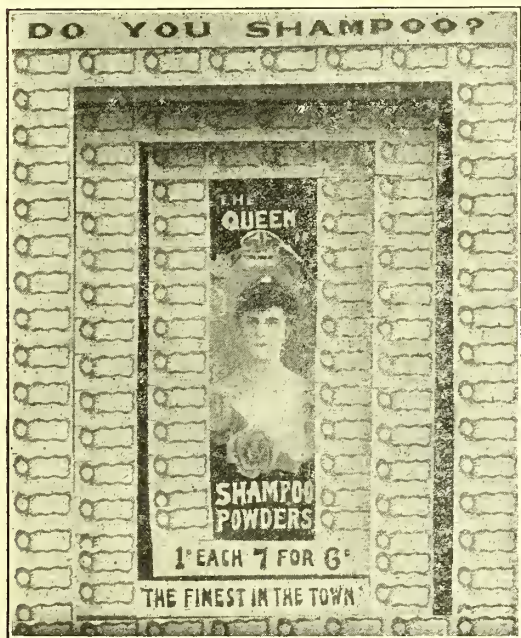
A BRITISH FIRM in Mark Lane has been fined 35*l.* at the Mansion House Police Court, London, for proposing to deal with a firm in Rotterdam which is on the statutory list of those who are to be treated as enemies. The



prosecution, which was taken out under the Trading with the Enemy (Extension of Powers) Act, 1915, and the Trading with the Enemy (Neutral Countries) Proclamation, 1916, is the first of its kind, and an exemplary penalty was not asked for. The defendant firm, it appears, did not know the name was on the statutory list of enemy traders, which is no excuse, and in future the authorities intend to deal severely with people who do not take the trouble to read these lists or who try to evade them. It would therefore be well for exporters to make themselves acquainted with these Proclamations, which are constantly being added to—e.g., the Controller of the Foreign Trade Department has this week issued a new list of additions and amendments dealing with firms in Argentina, Bolivia, Brazil, Colombia, Denmark, Ecuador, Morocco, Netherlands, Netherlands East Indies, Norway, Spain, Uruguay, and Venezuela. The names of substitutes for firms on the statutory list can in many instances be furnished by the Foreign Trade Department of the Foreign Office, which has a considerable amount of information at its disposal in regard to foreign traders in neutral countries. At the present time a large number of individuals and firms appear to be unaware of their obligations in this matter and of the penalties to which they are rendering themselves liable by neglecting them.

## Chemists' Windows.

Photographs of windows sent to the Editor for reproduction should be accompanied by notes on how the displays were arranged.



### A Shampoo-powder Display.

THE arrangement of this window was easily managed by building up on the necessary number of frames of plasterers' laths the empty packets fastened on by means of drawing-pins. The frames are then suspended from the top of the window to fall in correct order one behind the other. Cards are printed in this case, "1d. each, seven for 6d.," and "The best in the town," these being tacked on the bottoms of the two frames. A paper strip with black letters, "Do you shampoo?" is pasted on the top of the window outside. The centrepiece was in colours and the wording, "The Queen of Shampoo-powders." Left-over white and black ticket was used for filling in, and so making the letters. This is a useful idea for small packet goods, and costs only the time taken up in making the necessary measurements and arrangement as described.—H. A. Martin, Leicester.

## A Tale of a Day.

THERE was no doubt about it: trade was bad. My partner had got a violent attack of the blues, whilst I had a hump that would have turned any self-respecting camel green with envy; and the trouble was that, try as we would, we couldn't improve matters.

Then I had a heaven-sent inspiration, so I turned to my partner and said, "Well, we don't appear to be selling much; let's try what giving something away will do." He looked at me as if I were a suitable subject for Bedlam. "Give something away!" he said. "Do you want to ruin us?" "No, not quite," was my reply; and then I unfolded my plan, which was to have a day when every customer over a certain amount should receive a free gift. From incredulity grew interest, and from interest enthusiasm; and that's how we came to have our Souvenir Day, about which I want to tell you, in the hope that it may be of profit to some brother chemist.

Having decided to hold "The Day," the first thing we had to settle was what the nature of our gift should be; it must be something which would do us credit, not be over costly, and also, if possible, something which would bring trade afterwards. After discussing various articles, we at last fixed on perfume, and decided to give a 1s. 9d. bottle of perfume to every customer spending 2s. 6d. The perfume, incidentally, was one which we packed ourselves and cost us about 9d. to produce; the odour was distinctly good and the packing artistic, and we wished it to have a much larger sale. Thus our Souvenir Day was not only going to advertise us and make us better known, but it was, we hoped, going to result in greatly increased sales of this particular brand of perfume.

The next thing to be settled was the question of advertising our offer, and this threatened to be the "fly in the ointment" of our Souvenir Day. We inquired of local newspapers, and found that to advertise it effectively would cost about 40l., so, needless to remark, we abandoned this idea and instead got out a neat folder, in two colours, giving full particulars and also a list of some of our specialities—particularly those with a good margin of profit—with a few words about each. On the front of the folder was a full-sized facsimile illustration of the bottle of perfume we were giving. One of these circulars, along with a covering letter, was sent per halfpenny post to between four and five thousand addresses four days before the date fixed for the Souvenir Day; we thought it advisable not to send it out too early in case it might slip people's memory.

In addition to this we filled both our windows with the bottles of perfume, and showcards giving full particulars, ten days before the date, and we also had a large poster, legible at the other side of the street, covering the upper part of the windows. Inside the shop we had large stocks of the advertised preparations displayed, with suitable showcards.

Having organised the affair so far, we waited anxiously and impatiently for our Souvenir Day to dawn—it was fixed for a Monday. Oh, how critically we studied the barometer that morning, for a wet day spelt failure. When we opened at 8.30 in the morning we found at that early hour three or four customers waiting on the doorstep. No sooner had these been served than others walked in, and it soon became evident that we were in for a busy time. One o'clock came with lightning rapidity, and still there was no check in the flow of customers, yet there were not more than we could manage. Then between two and three o'clock came the deluge; customers poured in, and as ours is not a very large pharmacy, we were soon packed out; so there was no alternative but to lock the door, form a queue outside, and let customers in two and three at a time. This press continued until nearly six o'clock, when it slowed off until, at eight o'clock, we were able to get the first bite of sun we had had since breakfast: we closed soon after this, and went home to rest, tired but happy.

Now for the results.

We gave away nearly 500 bottles of perfume, and took in cash over 80l., so that customers averaged more than 3s. each. The advertisement was the finest we have ever had, and customers laughingly ask us to-day when we are going to give another bottle of perfume away, although it is now over five years ago. The amount of patents we sold was surprisingly small, and we made many customers for our own preparations, who continue to buy the articles they were first induced to try at our Souvenir Day. It was certainly hard work, but the results achieved have in every way justified the experiment, and for a chemist who is experiencing slack times I can recommend a Souvenir Day.—F. E. B. (57/11.)



## The Story of a Cheque.

SOMEWHERE in the South of England there has been a battle raging between a panel chemist on the one hand and the Insurance Committee on the other. The controversy centres round the settlement of the Drug Account for 1914. The Insurance Committee at the end of May notified the chemist that the total amount available in the Drug Fund for 1914 had been returned to them by the Commissioners at 5.195/ 6s. 1d. A statement of accounts and payments made to the chemist for the four quarters for 1914 was enclosed, showing a balance due to the chemist of 24/ 18s. 6d. Then followed this statement:

The total of the claims on the Drug Fund was 5,865/ 7s. 7d., and as you did not accept the emergency settlement, the amount payable in settlement of your accounts for the year 1914 is a sum bearing the same proportion to your accounts (excluding temporary resident and Sanatorium Benefit prescriptions) as the total amount available (5.195/ 6s. 1d.) bears to the total amount of all such accounts (5,865/ 7s. 7d.).

This sum was worked out as being 10/ 7s., and the chemist was offered a cheque for this amount and asked to sign the following receipt:

### Drug Fund, 1914: Final Settlement.

Received of the Insurance Committee the sum of ten pounds seven shillings, in full discharge of my account with the Committee for the supply of drugs and prescribed appliances during the medical year, 1914.

(Signed) .....

10/ 7s. 0d.

Date .....

The chemist paid the cheque into his bank, but amended the form of receipt to read, "Received in part payment and on account," and at the same time sent a letter of explanation and protest. The Clerk to the Insurance Committee thereupon stopped payment of the cheque, but kept possession of the receipt. Then followed further letters, one from the Clerk, dated June 23, stating that the matter had been considered by the Finance Sub-Committee, and that before a cheque for 10/ 7s. could be issued "it will be necessary for you to give the Committee a receipt in full discharge of your account with the Committee for the supply of drugs and prescribed appliances to insured persons during the medical year 1914." The receipt form was in the same words as that given above. The chemist still protested, and claimed possession of money due to him. The Clerk then tried the effect of persuasion and a copy of Article 40 of the Medical Benefit Regulations, which deals with the surcharging of doctors. The chemist claimed that by the receipt he waived his claims to any money recovered in this way from doctors. Further correspondence ensued, and next the Clerk sent an amended form of receipt as follows:

### Insurance Committee: Drug Fund Settlement, 1914.

I beg to acknowledge the receipt of a sum of ten pounds seven shillings, in full discharge of my claim upon a sum of 5.195/ 6s. 1d., which the National Health Insurance Commission (England) have notified the Insurance Committee as the amount available in the Drug Fund, 1914, for the purpose of effecting a final settlement with chemists on the Panel for the medical year 1914, but without prejudice to any claims which I may have to sums accruing to the Drug Fund for 1914 under Article 40 of the National Health Insurance (Medical Benefit) Regulations, 1913.

Signature of Chemist .....

Date of Signing .....

The chemist suggested that the words "being a due proportion of the sum at present available for the payment of the balance due in respect of the Drug Account for 1914, but without prejudice," etc., be used instead of the paragraph commencing "in full discharge," etc. The Clerk replied that such a receipt would not constitute "a full discharge of your claim upon a sum of 5.195/ 6s. 1d., which the Commissioners have notified my Committee as the amount available in the Drug Fund for 1914." Several more letters passed between the Town Hall and the pharmacy, and on July 15 the following form of receipt was sent by order of the Chairman of the Finance Sub-Committee:

### Insurance Committee: Drug Fund Final Settlement, 1914.

I hereby acknowledge the receipt of a sum of ten pounds seven shillings, in full discharge of my claim upon a sum of 5.195/ 6s. 1d., which the National Health Insurance Commission (England) have notified the Insurance Committee as the amount available in the Drug Fund, 1914, but without prejudice to any claims which I may have to sums accruing to the Drug Fund for 1914 under Article 40 of the National Health Insurance (Medical Benefit) Regulations, 1913.

Signature of Chemist .....

Date of Signing .....

The chemist still questioned the right of the Committee to retain money due to him, especially as it already has in its possession the original receipt given by the chemist. On July 20 the Clerk sent still another form of receipt:

I hereby acknowledge the receipt of a sum of 10/ 7s. 0d., being my proportion of the sum at present available for the payment of the balance due in respect of the Drug Account for 1914, but without prejudice to any claims which I might have to sums accruing to the Drug Fund for 1914 under Article 40 of the National Health Insurance (Medical Benefit) Regulations, 1913.

Name of Chemist .....

Date of Signing .....

The chemist again stated that so soon as his cheque is handed to him an acknowledgment would be given for it. The Clerk offered (July 24) to make arrangements "for the cheque to be exchanged for the completed receipt." The issues became further confused by a visit from a member of the Insurance Committee, which seemed to show that it had been taken for granted that the last form of receipt would be acceptable to the chemist. The Finance Sub-Committee then further considered the matter, and on August 23 submitted the following form of receipt:

I hereby acknowledge the receipt of a sum of 10/ 7s. 0d., being my proportion of the sum at present available for the payment of the balance due in respect of the Drug Account for 1914, but without prejudice to any claims which I might have to sums accruing to the Drug Fund for 1914 under Article 40 of the National Health Insurance (Medical Benefit) Regulations, 1913.

The chemist accepted the form of receipt, sending at the same time a protest against the attempts to extort from him a form of receipt which the chemist characterises as "immoral."

## Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

### Reports from Local Centres.

#### ENGLAND.

**Birkenhead.**—The Insurance Committee on August 17 had before them the question of the selection of stock mixtures from the Commissioners' list. The Panel Committee had selected ten. When the Chairman of the Insurance Committee moved the adoption of the minutes of the Medical Benefit Sub-Committee which reported this to the Committee, Mr. Nathan moved an amendment protesting against the use of stock mixtures. It was pointed out that the Committee had no option in the matter, and when the amendment was put it was lost. The report was thereupon adopted.

**Cornwall.**—At the meeting of the Insurance Committee on August 24, it was reported that steps had been taken to obtain exemption for a sufficient number of chemists to carry on the pharmaceutical service. The South-Western Joint Pricing Committee reported that the average cost per prescription for the county was 6.10d.

**Hampshire.**—A meeting of the Pharmaceutical Committee was held at Winchester on August 23. Mr. S. G. Bartlett (Winchester) was unanimously re-elected Chairman. It was reported that statistical data from the South-Western Pricing Bureau referring to the January prescriptions had been received. The Secretary gave the totals of the chemists' accounts for the first four months of 1916 as follows: January, 369/ 6s. 8d.; February, 359/ 16s. 11d.; March, 435/ 14s. 7d.; April, 369/ 2s. 1d. It was reported that the Panel Committee has decided, for the present, to refrain from selecting ten prescriptions to be dispensed at a reduced rate.

**Surrey.**—The annual report of the Drugs and Appliances Joint Committee, which was appointed last year to check the drug accounts, has been presented to the Insurance Committee. Mr. J. K. Irvine, chemist and druggist was appointed chief checker, but his services were transferred to the South-Eastern Pricing Division when this was organised at the end of 1915. The checking was well done, and it is a matter for regret that the organisation had to be abandoned in consequence of the new joint arrangements for pricing prescriptions and preparing statistical data.

**West Riding.**—A meeting of the Pharmaceutical Committee was held at Wakefield on August 22. Sympathetic reference was made to the death of Mr. W. E. Smithies, Elland, who had been a member of the Committee since its formation. The Secretary read the report and balance-sheet for the year 1915-16, of which copies have been sent to all panel chemists. It was decided to send a protest to the Insurance Committee regarding the refusal to make a grant towards the Pharmaceutical Committee's expenses



for checking prescriptions. A discussion took place on the supply of emergency dressings, for which the Insurance Committee agreed that these should yield a profit of 33½ per cent., but this the Commissioners refused to sanction. As there seems to be no hope of satisfactory remuneration being granted, the Pharmaceutical Committee advise West Riding chemists to refuse to supply doctors with dressings in bulk for surgery use. In view of the increased expenses of business maintenance, a member of the Committee who has had large experience of working-expenses in pharmacies undertook to supply details of costs now classed as establishment-charges in order to produce the evidence necessary to obtain a revision of the present inadequate 0.8d.

#### SCOTLAND.

**Kirkcaldy.**—The high cost of prescribing in the area was again referred to at the meeting of the Insurance Committee on August 25. It was pointed out that the average "frequency of prescribing" for Scotland is forty, and for Kirkcaldy from sixty-five to ninety. The Panel and Pharmaceutical Committees are to receive copies of the report of the Central Checking Bureau.

## Trade Notes.

**THE BRITISH PASTEUR CHAMBERLAND FILTER Co.,** 5 White Street, Finsbury, London, E.C., have published an edition of their price-list in Spanish for the South American market.

**SALICYLIC ACID.**—The melting-point of the salicylic acid manufactured by W. Everitt & Co., Ltd., Southall, and referred to on p. 44 of last week's issue, should have been stated as 158° C., and not 150° C. as printed.

**PLASMON BONUS.**—Orders for Plasmon cocoa and Plasmon oat-cocoa received by Plasmon, Ltd., 66a Farringdon Street, London, E.C., during September are to be given a special bonus of 5 per cent. Particulars are given in the company's advertisement in this issue.

**L.C.W. SALICYLIC ACID.**—It is interesting to note that a sample of physiologically pure salicylic acid made by the London Chemical Works, Ltd., Southall, which has been sent to us, has an acid-value of 99.99 per cent., the residue being water, and the melting-point is 158° C.

**SEED-DRESSING SEASON.**—Tomlinson & Hayward, Ltd., Lincoln, make in this issue a special announcement regarding requisites for the seed-dressing season. The company offer to send samples and quotations for the chemicals and special preparations needed by agriculturists at this time of the year.

**THE PERFUME ADVERTISEMENTS** which Thomas Kerfoot & Co., Bardsley Vale, Lancs, and Bardsley House, London, insert in the *C. & D.* have artistic originality and distinction which constitute a special characteristic. See, for example, the "Nubian Poppy" page that they insert this week—one of the nicest designs we have seen.

**VIROPHOS.**—When this tonic food was introduced by C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, London, E.C., we referred to it. It has been making steady progress since, and is a profitable article for chemists to handle. It will be noticed that it is put up in four sizes, and that in each case it yields an excellent profit to the retailer.

**THE DODGE & OLCOTT Co.,** New York, has increased its capital stock to \$1,000,000 to meet the requirements of a constantly growing business. Mr. George M. Olcott, president, and Mr. F. E. Dodge, vice-president, are to retire from active connection with the firm after more than fifty years in active management of its affairs. They will, however, retain their offices, and the business will be conducted by a board of managers of five members.

**COCAINE AND OPIUM REGISTERS.**—Suttley & Silverloek, Ltd., Blackfriars Road, London, S.E., are advertising in this issue registers for recording the sale of cocaine and opium. These are issued separately for the two drugs, the publishers having been informed by the Home Office that it is intended that separate registers should be kept. These are sold at 1s. 6d. each, or post free 1s. 9d., containing space for twelve entries on each page and forty pages in each book.

**EMETINE-BISMUTH IODIDE.**—Reference was made recently in *THE CHEMIST AND DRUGGIST* (Col. Supp., August 5) to the use of the double iodide of emetine and bismuth in the treatment of amoebic dysentery. W. Martindale, 10 New Cavendish Street, London, W., prepares this salt, and supplies it in powder form—it is a deep orange colour—and in the form of stearettines containing 1, 2, or

3 gr. The firm also make mercury succinimide, which is at present much in demand for treating syphilis (see *C. & D.*, April 22, p. 100). Prices of these two chemicals will be sent on application.

**H. E. STEVENSON & Co.,** 122 Great Suffolk Street, London, S.E., manufacture the Oxygen straw-cleaner, and put it up for retail in attractive packets. We find that this cleaner does its work quickly and well, and it should sell readily when exhibited. In addition to the synthetic ottos mentioned last week the firm produce "One-Drop" perfumes packed in tubes with glass stopper of rod-shape that enables the user to employ only one drop of the perfume; and *Violette de Parme*, which we have tested, is distinctly the real thing. The firm inform us that the 6d. size is no longer marketed because the tubes are not obtainable.

## Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "*The Chemist and Druggist Diary*," 1916, p. 365.

(From the "*Trade-marks Journal*," August 30, 1916.)

- "TUFFLEX"; for chemical case-hardening compound (1). By G. H. Alexander, 83 Coleshill Street, Birmingham. 373,999.
- "Rosco," over device including letter "R" in circle and word "Hull"; for goods (1). By Owen Bros., 13 Green Lane, Hull. 373,784. (Associated.)
- "VELLURA"; for chemicals (2). By Davis & Co., 266-270 Regent Street, W. 373,808.
- "BRYSOLOID" and "BRYSOLOITE"; for antiseptics and disinfectants (2). By the U.K. Chemical Products, Ltd., Imperial House, Kingsway, W.C. 374,044/5. (Associated.)
- "IROK"; for liquid cough balsams and a tonic medicine (3). By H. F. Moore, 134 Royal Avenue, Belfast.
- "SOTOL" over shield device bearing words "WESDENCO TABLETS"; for medicated tablets (3). By The Western Dental Manufacturing Co. (1914), Ltd., Denmark Road, West Ealing, W. 373,284.
- "HYPEROX"; for antiseptics (3). By W. T. Treadaway, 54 Great Tower Street, E.C. 373,628.
- "NAZALIA"; for all goods (3). By H. C. Payne, 78 Essex Road, N. 372,646. (Associated.)
- "NOKA"; for medicinal chemicals (3). By G. M. Bresillon, 118-122 Holborn, E.C. 374,077.
- "URONE"; for all goods (42). By J. Blackledge & Sons, Ltd., Derby Road, Bootle. 373,002.
- "SALVIM"; for casein and proteid foods (42). By G. Van Abbott & Sons, 3 Baden Place, Borough, S.E. 373,173.
- "VERA"; for all goods (48). By J. Hargreaves & Son, Ltd., 81 Binns Road, Liverpool. 372,241.
- "CARISSIMA," "RAVANA," and "SHALMAR"; for perfumery, etc. (48). By The Standard Tablet and Pill Co., Ltd., Hove. 373,272/975/992.
- "PEP-THYMO"; for tooth-paste (48). By P. Hart & Co., 14 Paul Street, Finsbury, E.C. 373,458.
- "ANZOENA"; for all goods (48). By D. W. Robb, 414 Paisley Road West, Glasgow. 373,834.
- "SILKODONO"; for perfumery, etc. (48). By Silk's Toilet Co., 8-9 Red Lion Street, W.C. 374,059.

## Things Worth Knowing.

By "Hugo."

Ten minutes daily spent on a "prescription-index" will save many a half-hour's hunt and earn many a shilling.

Never buy what you can profitably make, and conversely never create waste by making what you can more profitably buy.

Always keep your scales clean and bright. Their appearance weighs public opinion and keeps the balance in your favour.

All spirituous preparations, medicinal or toilet, should be stored in a cool situation and be shaded from direct sun-rays.

If you would avoid "paper waste" keep your brown wrapping-paper cut ready in suitable sizes. There is much waste otherwise.

If you would save money and retain customers, keep a comprehensive retail list and see that your charges are "always uniform."

Cut prices should be charged for cash only and full prices for credit account. This is an inducement to purchase for cash, and saves bad debts.



## Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

### 42 Cannon Street, E.C., August 31, 5.30 p.m.

THE month ends up with a continued dull tone in chemicals and drugs, and the easing of values generally prevents any appreciable buying. The U.S.A. market, which sets the pace in some of the fine chemicals like salicylates, salol, acetanilide, bromides, resorcin, hexamine, phenazone, etc., has also had a very quiet period of late, the declines outnumbering the advances, and prices are not very attractive to operators. Moreover, the entry of Roumania into the European war is distinctly a "bear" point as regards prices. Articles which show a declining tendency include acetanilide, amidopyrin, hydroquinone, methyl salicylate, salol, soda hyposulphite, salicylates, cream of tartar, gentian, jalap, peppers, cottonseed and coconut oils. Hypophosphites, guaiacol carbonate, resorcin, sulphur, American peppermint oil, and shellac are all dearer. Arsenic, menthol (c.i.f.), and Japanese camphor (c.i.f.) are firmer.

Higher	Firmer	Easier	Lower
Guaiacol carb.	Arsenic	Amidopyrin	Acetanilide
Hydrastis	Camphor (Jap.	Bismuth	Cottonseed oil
Hypophosphites	ref. c.i.f.)	subnit.	Gentian
Lithia carb.	Menthol (c.i.f.)	Cassia fistula	Hydroquinone
Peppermint oil	Pyrogallie	Coconut oil	Methyl salicylate
(American)	acid	Cod-liver oil	Pepper
Phosphorus		Cream of tartar	Phenazone
Resorcin		Jalap	Salol
Shellac		Palm oil	
Sulphur		Soda hyposulphite	
		Soda salicylate	

### Cablegram.

NEW YORK, August 31.—Business in drugs is fair. Cartagena ipecacuanha has been advanced to \$1.80 per lb. Mexican sarsaparilla is lower at 10½c., and hydrastis is higher at \$5.25. Belladonna-leaves have been reduced to \$1.50, and dandelion-root is dearer at 32c. per lb. Arnica-flowers and guarana have been advanced to 60c. and \$1.10 per lb. respectively.

ACETANILIDE.—Spot is offering at 3s. 9d. per lb., being lower, in sympathy with c.i.f. prices.

AMIDOPYRIN is easier at 62s. 6d. per lb. net.

AMMONIA SULPHATE.—Quiet. Home trade prices are 15l. for August-September and 15l. 10s. for October-May. Export prices are: London, prompt, 25-per-cent., 16l. 15s. to 16l. 17s. 6d. per ton net, naked at works; Hull 24-per-cent., 17l. 10s.; Liverpool, 17l. 15s.; Leith, 17l. 17s. 6d. spot and 18l. 2s. 6d. forward, less 3½ per cent. in bags f.o.b.

ANISE.—Spanish is quoted at from 55s. to 56s. c.i.f.

ANISE OIL (STAR) is steady at 5s. 5d. to 3s. 5½d. for "Red Ship" brand, and for August-September shipment 3s. 3½d. c.i.f. is quoted.

ANTIMONY.—Crude on spot is firmer, with sellers at 45l. per ton and buyers at 40l.; to arrive, 32l. c.i.f. is quoted. ARSENIC is firmer at from 36l. to 37l. per ton for best white English powder.

ATROPINE is still very scarce at about 155s. per oz. for the sulphate.

BERGAMOT OIL is firm at from 25s. to 26s. c.i.f. for new crop for prompt shipment; spot prices vary from 18s. to 20s.

BROMIDES.—Sales of fair quantities of potassium are reported. The English makers will sell at 6s. 6d., ammonium at 5s. 6d., and sodium at 4s. 9d. There are still a few second-hand parcels about offering at less, but they are gradually being absorbed.

CAMPHOR (REFINED).—To arrive, September-October shipment the higher price of 2s. 6¼d. per lb. c.i.f. is quoted for Japanese 2½-lb. slabs. Spot price is 2s. 6d.

CASCARA SAGRADA.—Spot prices are from 60s. to 65s. per cwt. as to age.

CASSIA FISTULA is easier, fair West Indian offering at 37s. 6d. per cwt.

CASSIA LIGNEA.—To arrive, September-October shipment has been sold at 57s. 3d. c.i.f. Marseilles for selected.

CASTOR OIL.—English medicinal in barrels is offered at from 53s. 6d. to 60s. per barrel, and first pressing 50s. from dealers' hands. Hull quotes first pressing at 51s., and September-December delivery at 51s. in barrels. Good seconds Calcutta 5d. per lb. in Liverpool.

CHILLIES.—At auction 100 bales Mombasa were bought in at 120s. per cwt.

CINCHONA.—At the tender held at Amsterdam on August 23, 13,006 packages, weighing about 1,073,778 kilos., with a quinine content of 67,230 kilos., were on offer, of which 9,815 packages, weighing about 821,910 kilos., with a quinine content of 52,507 kilos., were disposed of at the preliminary unit of 11.48c. per half-kilo., against 13.71c. at the July tender, 12.99c. in June, and 14.18c. in May. Of the pharmaceutical bark offered by auction on August 24 the equivalent of 181 kilos. quinine sulphate were sold.

CITRIC ACID is unaltered at 3s. to 3s. 1d.

CLOVES.—Quiet, with spot sellers of fair Zanzibar at 7¼d. per lb., and October-December delivery at 7¾d.; to arrive, sellers of July-September shipment quote 7d. c.i.f. d.w.

COCAINE.—The recognised agents and second-hand dealers all appear to have been supplied with permits from the Home Office after due inquiry has been made. Sellers quote hydrochloride at 19s. per oz. net. A good export business is reported.

COD-LIVER OIL.—Our Bergen correspondent writes on August 27 that business is extremely limited, only retail lots changing hands at the equivalent of about 550s. per barrel for finest new Norwegian oil. In London the spot price is about 380s. per barrel for 1915 oil.

COPAIBA is unchanged at 2s. 10d. per lb. c.i.f., and 3s. 1d. spot for filtered Maracaibo.

COPPER SULPHATE is unchanged at 49l. per ton for the usual Liverpool brands.

COUMARIN varies from 42s. 6d. to 47s. 6d. per lb. as to seller.

CREAM OF TARTAR is on the easier side at from 185s. to 187s. 6d. per cwt. for 98-per-cent. powder.

ERGOT.—The *Torcello* has arrived with 265 bags Russian. Either Russian or Spanish is offered at from 1s. 8d. to 1s. 10d.

GALLS.—Usual shape Chinese are quoted at from 72s. 6d. to 75s. c.i.f. per cwt., and at 84s. 6d. c.i.f. for plum shape for September-October shipment. A few lots of Persian have been received, and the value of green is about 185s., and white about 165s. in limited quantities; blue are unobtainable.

GENTIAN.—With fair arrivals taking place prices are rather lower at 85s. per cwt. on the spot and 80s. c.i.f.

GUM ACACIA.—The *Lord Roberts* arrived last week with over eight thousand bags from Port Sudan. The value of fair half-hard sorts is about 57s. 6d. per cwt.

HEXAMINE.—Fair arrivals are taking place from U.S.A. Spot is selling at from 3s. 3d. per lb.

HONEY.—At auction on Tuesday 1,062 cases Californian (in prize), each case containing two 56-lb. tins, sold at from 45s. to 47s. per cwt. for white set, 40s. for setting ditto, 36s. to 42s. for liquid brown, set yellow 37s., and yellow set and setting 33s. per cwt. Over seven thousand barrels Chilian have arrived in Liverpool, and about 2,000 packages from other sources have also arrived at that port.

HYDRASTIS is dearer at 23s. 6d. per lb. c.i.f.; spot is scarce.

HYDROQUINONE is offered at from 24s. to 25s. per lb.

HYPOPHOSPHITES have been advanced by 6d. per lb. by the makers to 2s. 11d. per lb. for calcium, 4s. 8d. for potassium, and to 3s. 2d. for the sodium salt. These prices are nominal, however, and makers are behindhand with delivery of current contracts.

JALAP is easier, with 6½-per-cent. selling at 7½d. and 7¼-per-cent. at 8½d. per lb.; demand is small.

LEMON OIL is firm at from 3s. 9d. to 4s. 1d. c.i.f. for new crop; spot prices are from 3s. 8d. to 3s. 10d.

MENTHOL.—The spot price of Kobayashi-Suzuki is 10s. 9d., and to arrive Japan asks 11s. 6d. c.i.f. for September-October, but there are second-hand sellers here at 10s. 4½d. c.i.f. for August-October.

METHYL SALICYLATE is offered at 9s. 3d. per lb. on spot.

METHYL SULPHONAL (TRIONAL) is scarce at from 70s. to 75s. per lb.

MINT OIL.—Japanese dementholised is firm, with buyers

of Kobayashi-Suzuki at 3s. 3d. c.i.f. for September-October shipment, and sellers at 3s. 4½d.

**MORPHINE.**—Hydrochloride powder is offered at 13s. 3d. per oz. net. Makers remain extremely busy, and are unable to book further orders before December.

**NUX VOMICA.**—Although Indian exporters are asking for offers, buyers are of opinion that prices are still too high and prefer to hold aloof. The value of fair Cochin on the spot is about 23s. per cwt.

**OILS (FIXED).**—*Linsced* is firmer on the week at 36s. 6d. in pipes on spot and 37s. 6d. in barrels. *Cottonseed* is lower at 34s. 6d. for crude in pipes on spot, 41s. to 42s. for refined in pipes, and 48s. to 51s. for sweet refined in barrels. *Rape* is firm; ordinary brown naked on spot is nominal at 40s., British refined in barrels is 48s. to 50s., and Japanese in cases 40s. 9d. c.i.f. for August-September shipment. *Coconut* is cheaper at 49s. for Ceylon in hogsheads on spot and 47s. in pipes. Cochin on spot is 49s. to 52s., and London pressed is 40s. 6d. per cwt. Hankow *Wood* oil is 51s. 6d. spot and 48s. c.i.f. *Soya* is steady at 37s. 6d. c.i.f. for August-September shipment; Hull crushed is 41s. 6d., and extracted 38s. *Lagos Palm* is 38s. on spot, and 31s. 6d. in Liverpool.

**OPIMUM.**—Business is at a standstill in opium, and great inconvenience is being felt by manufacturing chemists, who are unable to obtain their necessary supplies through the usual channels. The resumption of business by brokers depends upon the Home Office, who show no undue haste in the matter.

**PEPPERMINT OIL.**—American tin oil is dearer at 9s. 6d. per lb. c.i.f., and on the spot up to 10s. is quoted for finest. The demand, however, is and has been very poor in the confectionery trade, and this factor will have to be taken into consideration later.

**PETROLEUM.**—Ordinary refined American is 1s. 1½d. per gal. and water-white 1s. 2½d. per gal. on spot.

**PHENACETIN** is in good inquiry, but still very scarce, with values nominal.

**PHENAZONE** is offered at from 50s. to 55s. per lb., being lower.

**PHENOLPHTHALEIN.**—The "New York Commercial" reports the spot market as strong at \$18, but contracts for upwards of 4,000 lb. have just been put through with new producers in Ohio on the basis of \$15.00 per lb. The spot price is 70s. to 75s.

**PIMENTO.**—Spot sales have been made at 3½d. per lb.

**POTASH PERMANGANATE.**—Spot prices vary from 6s. 6d. to 7s. per lb. as to holder.

**POTASH PRUSSIAN.**—A limited quantity is offered at 3s. 11d. for yellow crystals, with up to 4s. 1d. quoted.

**POTASH SULPHOGUACOLATE.**—A parcel of German make (in prize) is offering at 65s. per lb.; sales have been made at slightly less.

**PYROGALLIC ACID** is firmer at 16s. 6d. per lb. net for resublimed or crystals.

**SALOL** is still tending downwards at from 22s. 6d. to 23s. per lb. Sales have been made in New York at \$4.

**SANDALWOOD OIL.**—Sellers of English distilled quote from 36s. to 38s. as to seller, and for October-November shipment 32s. c.i.f. is quoted for American.

**SANTONIN.**—We note the arrival of 13 cases from Russia.

**SHELLAC.**—After last week's fluctuating market a steady advance has taken place since Monday, and the spot price has advanced to 131s. to 132s. for the usual standard TN Orange quality; fine Orange is 150s. to 155s., with a fair business passing. Futures have been irregular, but dearer, the sales including October at 131s. to 132s. and December at 133s. to 134s.

**SODA HYPOSULPHITE.**—Pea crystals of finest quality in large packing offer at 15½. per ton ex wharf London; kegs are slightly more.

**SQUILL** is still in easier tendency, good white offering at 60s., fair white at 55s., and ordinary brown 45s. per cwt.

**SULPHONAL** steady at from 30s. to 32s. 6d. per lb. net.

**SULPHUR** is firm at 15½. to 15½. 10s. per ton net for flowers and roll.

**TARAXACUM.**—Small sales of English dried have been made at from 70s. to 75s. per cwt.

**TARTARIC ACID** is in fair demand at 2s. 10d. per lb. spot.

**TARTARIC MATERIALS.**—A Sicilian report dated August 1 states: The slump which lately took place is due to the discouragement which followed the reduction of export-permits. In fact, the Government has so far allowed only a third or a quarter of the quantities asked for exportation. The local tartaric acid and cream of tartar makers, availing themselves of this circumstance, suspended purchases with the object of depressing the market still more. However, the existing stocks of tartaric materials are really very limited, and all the sales made abroad for delivery up

to December next have not yet been covered, or, to be more accurate, could not yet be covered. The fact is that the material is too dear for holders, and it is not easy to find sellers, everyone looking for higher prices. We anticipate, therefore, a reaction as soon as the lots already sold must needs be bought for exportation. Very little tartar exists, and we presume some 100 tons vinaccia only might be collected in all between Sicily, Naples, and Apulia. Argols certainly cannot be abundant, because at the high prices prevailing during the last few months everybody drew from the empty casks all the argol which could be got hold of.

**THYMOL**, ex ajowan-seed, is offering at from 32s. 6d. to 35s. per lb. net.

**TURMERIC** is in little demand, and with good stocks fair Madras finger can be had at 35s., Bengal 32s. 6d. to 35s. Cochin split bulbs have been sold at 27s. 6d.

**TURPENTINE** closes at 42s. 9d. for American on spot and 43s. 6d. for September-December shipment.

**WAX (JAPANESE).**—Fair pale squares are offered at 63s. 6d. per cwt. on the spot.

**AMBERGRIS.**—The "New York Commercial" reports that the New Bedford whaling-fleet has arrived with the season's catch of ambergris. The supply will be considerably smaller than last year's, according to Antoine Chris Co., whose allotment consisted of about \$7,000 worth. Ambergris is only sought after at this season of the year. No further supplies will be obtained until next year at this time. New Bedford enjoys a practical monopoly in the gathering of this material. The range of finest black ambergris extends from \$10.00 to \$15.00 per oz., while gray is quoted at \$26.00 to \$28.00 per oz. by some holders, and at \$22.00 to \$25.00 per oz. by others.

### Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets from July 29 to August 16:

**AGAR-AGAR.**—A small quantity is expected to arrive, but the price is m.22 per kilo.

**BALSAMS.**—The demand for ordinary *Copaiba* has increased; it is quoted at m.5 per kilo. *Tolu* is unchanged. *Peru* is scarce, but the demand is not active at m.50 per kilo.

**GALLIC ACID.**—The demand has largely increased, and m.12.50 to m.13 per kilo. is now asked.

**MENTHOL** is offered in large quantities at lower prices—at from m.44 to m.45.

**PYROGALLIC ACID** has advanced by m.5 per kilo. to m.20 per kilo. for resublimed.

**QUILLAIMA** has been imported in large quantities. As the demand continues very active, however, prices have remained very high at from m.450 to m.460.

### Arrivals of Chemicals, Drugs, etc.

The following is a selection of arrivals during the period from August 16 to 29, inclusive, in the English ports named. Goods in transit are not included. The figures refer to the packages—e.g., cases, bags, barrels, boxes, kegs, etc. The weights, when known, are specified:

To London.	Camphor ref.	50 cs.	Cream of tartar (It.)
Acetic acid 32 blns.;	Canary-seed	4,978	20 blrs.
glac. (N.Y.) 353	bgs.		Cumin-seed 1,670
chys.	Capsicums (E.I.)	367	Datura (P. Sudan)
Agar-agar 20	Caraway-seed (Russ.)	154	13 bls.
Albumen 512			Dill-seed 852
Aloes (Cape) 25 cs.,	Cardamoms 56		Drugs, etc. (N.Y.)
(B'bay) 88 kgs.,	Cascara sag. (N.Y.)	247	204 pkgs. 390 cs.,
(N.Y.) 90 cs.			(Melbourne) 50
Ammon. nit. 374 cs.	Casein (E.I.)	490,	dms.
Ammon. phosph.	(Fr.) 1,098		Ergot (Russ.) 35
(N.Y.) 54 blrs.	Cassia-bark 270		Essential oils
Anise oil, star 100 cs.	Chemical products		(U.S.A.) 52 cs. 14
Anatto-seed 75	(Fr.) 10 cs. 32		dms., (Sp.) 6 cs.
Antim. ore 1,093 bgs.	pkgs.		Encalypt. oil (Tas.)
Arachis-nut oil 300	Chemicals, drugs,		16 cs.
cks. 1,000 cs.	and medicines		Euphorbium 5
Argol (Sp.) 127, (It.)	(U.S.A.) 58 cs. 846		Fellows' syrup - 813
86	pkgs., (Fr.) 159		cs.
Arsenic (Fr.) 21,	Chillies (E.I.) 810		Fenugreek 34
(Sp.) 61	Cinchona (S. Thome)		Galls (Ch.) 132
Barytes 2,000 pkgs.	510		Geranium oil (Fr.) 1
30 tons	Cinnamon 250		ek. 5 cs.
Benzoin (N.Y.) 20	Cloves 10 bgs.,		Ginger (Jap.) 348,
cs., (Penang) 30	(Penang) 15 cs.		(E.I.) 767
Bismuth ore 139	Coconut oil 141 blrs.		Glucose 2,774
Boric acid (N.Y.)	262 pps. 199 pkgs.		Glycerin (N.Z.) 17
1,256 cks. 521 blrs.	Cod-liver oil (R'dam)		dms.
Caffeine (C'cutta) 2	50 cs.		Glycethymoline 715
cs.	Colocynth (Pt.)		cs.
Calcitone (N.Y.) 72	Sudan 125 bls.		G. acacia (B'bay)
dms.	Copra 69,532 bgs.		118, (P. Sudan)
Camphor cr. 675 cs.	Coriander 910 pkgs.		8,436 bgs.



G. copal 451 bgs. 464 cs. 462 bkts. 571 pkgs.	Roots, barks, herbs, etc. (N.Y.) 199 pkgs., (Fr.) 374 bls.	Cod-liver oil (St. Johns, N.E.) 460 cks.
G. damar 294 bkts. 560 cs. 132 bgs. 928 pkgs.	Saccharin (Fr.) 1 cs. Safrol (N.Y.) 110 cs. Saltpetre 3,127 bgs. Sandalwood chips 240 Santalac 162 Sarsaparilla (N.Y.) 20 bls.	Cod oil (St. Johns) 500 brls. 742 cks. 254 dms.
G. kauri 703 Gums, undescribed (B'bay) 32 cs. 181 bgs., (A'dam) 205 pkgs., (Morocco) 210 pkgs.	Seedlac 207 bgs. Senna (P. Said, etc.) 80, (Pt. Sudan) 204, (Cey.) 300 bls. Shellac 100 cs. 94 bgs.; button 96 Soda benzoate (Fr.) 10 cks.	Cream of tartar (Sp.) 7 cks., (Port.) 12 cks., (Fr.) 18 cs. Cryolite 400 bgs. Divi-divi 500 Drugs (Fr.) 41 cs., (N.Y.) 71 cs.
Hexamine (N.Y.) 50 kgs. 38 cs.	Soda caustic (N.Y.) 277 dms.	Essent. oil (N.Y.) 5 dms.
Honey (Aust.) 50 cs., (S. Frisco) 1,029 cs. (prize)	Soda hypo. (N.Y.) 448 kgs.	Formaldehyde (N.Y.) 182 brls.
Hydrog. perox. (N.Y.) 300 cs.	Soda nitrate .25,824 bgs. 3,125 tons	Glucose 1,778 Glycerin (Sp.) 10 dms.
Hyoseyamus (Pt. Sudan) 29 bls.	Soda sulphate (Fr.) 34 cks.	Gum kauri 30 Honey (Chile) 7,340 brls., (It.) 20 cs., (Curacao) 244 brls., (Colon) 236 brls., (Antilla) 303, (N.Y.) 1,048 brls., (N.Z.) 461 cs., (Frisco) 567 cs.
Indigo (Jv.) 50 cs. Insect powd. (Jap.) 10 cs.	Soy 450 pkgs. Soya oil 28,590 cs. Sticklac 100 Sulphur (It.) 4,098 bgs. 400 brls.	Ipecacuanha (R. Plate) 37 bls. Jaborandi 434 bls.
Iodine (Jap.) 30 cs. Ipecac. (Rio) 16 Kola (Java) 263 Lactogen (Mel- bourne) 125 cs.	Tartar (Sp.) 21, (It.) 20, (Fr.) 80 Tartaric acid (It.) 154 brls. 120 cks. Thorium nit. (U.S.A.) 32 bxs.	Lactic acid (Boston) 293 brls.
Lanoline (Fr.) 10 cks.	Turneric 2,121 Vaseline 1,125 cs.	Leaves, medicinal (Chile) 93 bls.
Linseed (E.I.) 63,325 bgs.	Wax, bees' (Aust.) 7 cs., (Beira) 166, (E.I.) 107 cs. 40 bgs., (Pt. Sudan) 2,528 pkgs., (Lis- bon) 282, (Rio) 90, (R'dam) 34 bls., (Morocco) 290	Lime-juice 6 hds. Liquorice-ju. (It.) 20 cs.
Liquorice (Russ.) 25 bgs. 12 cs.	Wax, carnauba 109 Wax, veget. 260	Liquorice-root (It.) 5
Liquorice - juice (U.S.A.) 200 cs., (It.) 101 cs.	<i>To Liverpool.</i> Acetone 499 dms. Albumen 109 cs. Alcohol, wood (U.S.A.) 50 dms. Ammonia (U.S.A.) 100 cyl.	Magnesite 3,974 tons Manna 24 cs.
Liquorice - root (B'bay) 100 bds.	Antim. ore 6,855 bgs. 287 brls.	Medicines, proprie- tary (N.Y.) 203 pkgs.
Logwood 220 tons	Argol (Port.) 55 cks. Arsenic (Seattle) 365 brls.	Olive oil (Fr.) 110 cs., (Montreal) 125 tes.
Lycopodium 7 bgs. 100 cs.	Babassu kernels 1,585 Bismuth ore 51 Boric acid (N.Y.) 500 cks.	Orchella-weed 60 Palm-kernels (W.C. Af.) 79,743 bgs. 595 tons
Mace 101 cs.	Calc. acetate 3,800 Calc. borate 8,286 Calc. carbonate (It.) 300	Palm oil 4,556 cks. Perfumery (Fr.) 25 cs.
Menthol and oil 60 cs.	Calc. citr. (Dem.) 4 bgs.	Potash carb. (Russ.) 160 cks. 97 brls.
Nutmegs 137 bgs. 463 cs.	Canary-seed (Sp.) 100 Caraway-seed 200 Castorca (Frisco) 83 Castor oil (E.I.) 937 cs.	Quillaia 2,153 Rape-seed 6,921 bgs.
Nux vom. 56	Chloroform, etc. (Fr.) 8 cs.	Roots (Parnahyba) 177 bls.
Oils, fixed: fish 500 cs., herring 500 cs., olive (Sp.) 48 brls. 12 cs. (It.) 185 cs. (Fr.) 25 cks. 177 cs., rape 3,000 cs. 400 brls. 50 cks., shark 500 cs., soya 500 cs., whale 500, wood 56 dms.	Cinchona (Mollendo) 335 bls. Cinnamon 50 Coca-leaves (Mollen- do) 64	Soap nuts (E.I.) 281 Soda bichrom. (N.Y.) 15 cks.
Olibanum 300 cs.		Soda caustic 118 dms.
Papain (Cey.) 25 pkgs.		Soda nitrate 215,810 bgs.
Pepper 5,107		Sulphur (It.) 7,500 bgs.
Peppermint oil (N.Y.) 30 cs.		Tartar (Fr.) 92
Peptone (N.Y.) 25 pkgs.		Tartaric acid (It.) 72 brls.
Perfumery (Fr.) 19 pkgs.		Valonea 4,682 bgs. 118 tons
Petroleum emul. (Boston) 1,711 bxs. 160 1/2-brls.		Wax, bees' (Chile) 760, (Rio) 75, (Lis- bon) 186 pkgs.
Pimento 65		(Antilla) 26
Pine oil (Russ.) 35 blns.		Wax, carnauba 2,127
Potash bromide (N.Y.) 230 cs.		Wax, veg. (Jap.) 50 cs.
Potash carb. (Russ.) 613 brls. 43 cks., (N.Z.) 5 dms.		Whale oil 1,300 tons 24,875 brls.
Potash iodide (Jap.) 10 cs.		
Quebracho ext. 10,028 bgs.		
Quicksilver (N.Y.) 233 bott.		

*To Bristol.*—Arsenic cr. (Fr.) 889 pkgs.; cream of tartar (Fr.) 5 cks.; ground-nuts 14,278 bgs.; lime-juice (Jam.) 11 pns.; linseed 2,208 tons; potashes (Montreal) 12 brls.; soda nitrate 4,593 tons; turpentine 2,500 brls. *To Folkestone.*—Drugs (Fr.) 56 pkgs.; essential oils (Fr.) 68 cs.; perfumed spirits (Fr.) 23 cs.; perfumery (Fr.) 504 pkgs. *To Hull.*—Castor-seed 6,821 bgs.; chemical prod. (Norw.) 220 cs., (Fr.) 215 bgs.; cream of tartar (Palermo) 24 cks.; cryolite 100 bgs.; iodoform (N.Y.) 50 kgs.; linseed 34,094 bgs.; liquorice-ju. 15 cs.; mandrake-root (N.Y.) 12 bgs.; potashes (N.Y.) 8 cks.; soda nitrate 162; whale oil 13,685 brls. *To Manchester.*—Calcium carbide 2,150; dextrin 2,910; dimethylaniline (N.Y.) 80 brls.; glucose 120; liquorice-paste (U.S.A.) 200 cs.; phosphorus (Montreal) 225 cs.; soda chlorate (N.Y.) 1,000 dms.; soda nitrate 72,242 bgs.; tri-sodium phosphate (N.Y.) 20 brls. *To Runcorn.*—Soda nitrate 63,147 bgs.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

### The August Drug Tariff.

SIR,—When the Tariff price of pot. brom. was raised from 5½d. per oz. in May 1915 to 1s. 8½d. per oz. in December 1915, did Mr. J. C. Lloyd object to receive the higher price for that which he had purchased before the abnormal rise took place? For goodness sake let us be reasonable. We have had the advantage on a rising market; careful buying will decide how much we shall lose on a falling one.

Yours truly,  
E. R. CHERRETT.

### The Drug Tariff, 1917.

SIR,—Nothing has been heard lately about the terms that are being arranged for the Drug Tariff. The last that was heard was that some kind of conference was being held with the Commissioners, but whether any better terms were arranged as to establishment-charges and dispensing-fees nothing has transpired. It looks as though we shall be again driven up into accepting any Tariff that is offered to us without time for considering it carefully. If corporate bargaining with the Commissioners is a failure, would it not be better to try some new system? Why should not some of the Pharmaceutical Committees representing large areas put their case direct to the Commissioners?

Yours faithfully,  
CANDID CHEMIST. (48/91.)

### What are we Doing?

SIR,—The question of the supply of synthetic chemicals seems, after two years, to be as far from solution as ever. We were promised all sorts of things when Continental supplies were first cut off. The position is now more acute than ever. In last week's *C. & D.* I notice that two well-known firms are interested in the production of salvarsan and bromural. I take it that these firms do an exclusive business with retail chemists, and not 5 per cent. of these chemists handle either salvarsan or bromural. On the other hand, as far as I know, we are not producing an ounce of, say, phenacetin or phenazone, which are handled by all chemists. My point is this: Would it not be better for these firms or others to devote their energies to the production of chemicals which are in everyday use?

Yours faithfully,  
WAKE UP. (57/8.)

[Our correspondent is a chemist and optician, and wrote in *Natal* on July 26. Our Summer Issue of July 29 contained several articles bearing upon the questions which he raises, and one on pp. 799-800 deals with some of the points he makes.—ED. *C. & D.*]

### Spirituous Preparations.

*Cash Chemist* (33/16), referring to our article of July 15, says: "I hold an off-licence for medicated wines at both my shops. I am anxious to know how I shall be affected as regards the sale of my own proprietary medicines, and also other people's. Below I give you two typical formulæ of what I pack myself:

#### Bronchitis-mixture for Children.

Pot. cit.	...	3iij.
Pot. chlor.	...	3j.
Ext. ipecac. liq.	...	3vj.
Tinct. scillæ	...	3vj.
Glyceriu.	...	3x.
Syrup.	...	3xxxij.
Aq. ad	...	3lxxx.

#### Digestive Tonic.

Ac. phos. dil.	...	3ij.
Ac. nit. dil.	...	3iss.
Tr. card. co.	...	3j.
Tr. cinch. co.	...	3j.
Chlorof.	...	3mxxvj.
Ol. m. pip.	...	3vj.
Elix. sacchar.	...	3ij.
Pepsini	...	3gr. xl.
Glycerin.	...	3ss.
Ac. hydroch.	...	3vj.
Aq. ad	...	3xxvj.

Will either of these preparations require labelling, showing the quantity of proof spirit they contain, seeing that they will be sold on licensed premises? I have sought information in other quarters, but no one seems to be so well posted upon the subject as you, hence my reason for troubling you."

[Our correspondent is correct in supposing that his pharmacy, being licensed for the sale of medicated wines, is one that comes under the Central Control Board's Order, but it should first be noted that both the medicines of

which the formulæ are given are undoubtedly articles which come under the 1742-43 Act, Section 12, as preparations for sick, lame, or distempered persons. Moreover, as a chemist our correspondent makes up these medicines, and the Order states that nothing in it shall be deemed to affect the sale of them.—EDITOR C. & D.]

#### Tinctura Digitalis.

SIR,—So far as I can see, the process for making tincture of digitalis proposed by "Abel Scholar" (C. & D., August 19, p. 38) would not be an improvement. His criticism appears to be based on the fact that the 60-per-cent. spirit used in the 1893 B.P. produces a tincture containing a larger amount of extractive than the 70-per-cent. spirit of the present B.P. The inference apparently is that the greater the extractive the better the tincture, and he therefore proposes to dispense with spirit altogether, and to substitute water as a menstruum. As to this suggestion, several comments may be made. While every pharmacist knows that in exhausting vegetable structures much more extractive is, as a rule, obtained by the use of a weaker than of a stronger spirit, few would admit that the larger extractive contains more active matter. There are many tinctures which would contain much extractive if made with water, but which would be worthless. Nor does it follow that because infusion of digitalis is much esteemed, a "tincture" made with water and preserved with spirit would be equally beneficial. We know how quickly fresh infusions of digitalis go wrong, and there is no guarantee that the glucosides of a watery tincture might not be to some extent decomposed before the spirit is added to it. Further, it has been proved that all digitalis tinctures deteriorate with age, but that deterioration is most rapid with those made with weak spirit. It is for this reason, I believe, that a stronger spirit is prescribed for the tincture in the 1914 Pharmacopœia.

Yours truly,

JUDEX. (91/19.)

### Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

#### The Home of the Green-silk Corn-plaster.

Mr. George Daniel, chemist and druggist, Post Office, 630 Holloway Road, London, N., received a letter last week addressed "To the Chemist at Post Office and Shop, Holloway, where the green-silk corn-plaster is sold."

#### Durant's Mixture.

J. A. (50/40) writes: "What is 'Durant's Mixture,' which appears to be prescribed in Edinburgh and Glasgow?" [If not a proprietary medicine, perhaps one of our subscribers will oblige with the formula.—ED. C. & D.]

#### At the Front.

"I get the C. & D. regularly out here every Tuesday (sometimes Monday), and can honestly say I always look forward to its coming. The Summer Issue and the Educational Number were of exceptionally special interest to me." So writes A *Pharmaceutical Corporal* (56/56) from France.

#### Glycerophosphates.

"Is there not too much of the glycerophosphate business in medicine and diet nowadays? Only a few days ago a customer who had been taking a glycerophosphate preparation on the advice of his general medical practitioner decided to call in a specialist. He charged five guineas for his visit, and his prescription was glycerophosphate!" —*Birmingham* (91/19).

#### He Put it in Verse.

A *Seaside Pharmacist* (165/6) sends us the following neat verse with his 12s. 6d.:

"My subscription to your paper  
I send now as of old;  
There's no doubt that the C. & D.  
Is worth its weight in gold.  
I subscribe to other papers  
As a matter of habit, and  
I must admit their value is  
About their weight in sand."

#### Spelling of Cinchona.

W. G. S. (21/8) writes: "In the 'New Dispensatory,' by W. Lewis, dated 1785, cinchona cortex—*Cinchona caribæa*, L.—is stated to be the product of Jamaica and Caribbee Islands. The botanical name of Peruvian cortex is given as *Chinchona officinalis*, Lin., and it is stated to have been discovered 'by the Indians about 1500 and introduced into Europe 1649.' Later works spell the name cinchona."

### Dispensing Difficulties and Notes.

Readers are advised to consult "The Art of Dispensing" in regard to compounding difficulties. We welcome fresh problems and invite the co-operation and correspondence of dispensers in their elucidation.

#### Deposit in Mixture.

SIR,—I have had great trouble in dispensing the following prescription. After about a week a thick, hard deposit is formed, which sticks to the side of the bottle and cannot be shaken off. Can you suggest a method of avoiding this?

Sodii brom.	...	...	...	5ij.
Magnes. oxid.,				
Sodii bicarb.,				
Bismuth. carb.	...	...	aa.	5j.
Mucil. tragac.	...	...	...	5j.
Aq. chlorof. ad	...	...	...	3vj.

Yours faithfully,

W. K. Y. (43/10.)

[The result which you describe we have been unable to obtain. The mixture has been compounded in various ways—e.g., by rubbing the powders together with the chloroform-water, and by shooting the powders into the bottle. In all cases the suspended matter shakes up without leaving any deposit adherent to the side or bottom of the bottle. In a bottle of the mixture from which the mucilage of tragacanth was omitted a few minute crystals, like tiny airbells, were deposited on the part of the bottle surrounding the clear supernatant liquid. These showed on the second day. As time went on, however, they decreased rather than increased. We have observed a precipitate which formed after a time and caked on the bottom of the bottle in a mixture containing solution of bismuth and ammonium citrate and potassium bromide. This we took to be bismuth oxybromide. The conditions were favourable to its formation; in the present case we should say they are not.]

#### A Copaiba Emulsion.

SIR,—Will you kindly inform me how you would get the best emulsion (*modus operandi*) from the following formula?—

Bals. copaibæ	...	...	...	5xviij.
Sp. æth. nit.	...	...	...	3iv.
Sp. chlor.	...	...	...	3iv.
Tr. hyoscy. conc.	3iv.	c.	aq. ad	3iv.
Ess. cassiæ	...	...	...	5j.
Liq. potassæ	...	...	...	3iv.
Aq. ad	...	...	...	3160

Thanking you for past favours,

I remain, yours faithfully,

HORNBY. (50/53.)

[1. Dissolve the balsam in the spirits and essence, then add, in four portions, the solution of potash diluted to about 20 fl. oz. with water, shaking vigorously after each portion has been added; then introduce the tincture and sufficient water to produce the required quantity.

2. Dilute the solution of potash with water to about 16 fl. oz., and place in bottle; introduce the balsam, and shake till thoroughly emulsified; add more water and, gradually, the spirits, tincture, and essence mixed together; finally, make up to required volume.

Prepared in either of these ways the emulsion is quite good. The proportion of solution of potash is somewhat smaller than in most of the favourite mixtures. It can quite well be increased to 5 fl.-oz., and, we think, with advantage to the emulsion. If you think of increasing the "body" of the mixture, add 3 gr. of powdered tragacanth to each ounce.]

### Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1916, beginning on page 341.

L. W. (38/43).—It is permissible to sell glycerin for toilet use over the counter, providing it was not obtained on condition that it be not sold for toilet-purposes.

Rex (52/13).—(1) The words which you quote do not make the medicine liable to stamp-duty. (2) As the drug is "entire" it is not dutiable when vended as labelled.

Statim (29/32).—There is no legal limit to an employer's liability to pay an assistant's wages during his illness. Read the law of the matter as explained in the C. & D. Diary, p. 360.



*T. H. J.* (151/11).—The Board of Customs and Excise, Customs House, Upper Thames Street, London, E.C., is the body which enforces the law regarding the sale of proprietary medicines, etc.

*W. L. G.* (59/3).—L'groin, like benzin, comes within the definition "Motor-spirit." We do not know any substitute for benzin or other motor-spirit which is cheaper. Carbon tetrachloride is the commonest non-inflammable substitute.

*C. J. W.* (55/70), *H. S.* (56/38), and others.—We deal elsewhere in this issue with the threatened stoppage of the sale of benzin by Section 16 of the Finance Act. You should write to your M.P., sending him the page containing our article, and ask him to call Mr. McKenna's attention to what Mr. Lloyd George did in October 1909. We suggest that the latter provision should be retained, and that meanwhile no action be taken against retailers of benzin or the like in small quantities.

*W. R.* (59/71).—The supply to the public of coal-tar benzin is restricted because it is required for the manufacture of explosives. You can obtain petroleum benzin, however, which is equally useful for cleaning purposes. As benzin comes under the definition of motor-spirit, you may find difficulties in purchasing it without a licence obtained from the Petrol Control Committee, 19 Berkeley Street, Piccadilly, London, W., although, as a rule, it is only the purchase by the user of the spirit which is regulated by the Finance Act, 1916.

*F. W.* (56/71).—(1) Irish registered druggists are not named in the Cocaine Regulation as authorised persons. If any such person obtain a permit he will have a legal difficulty in using it, for the Pharmacy Act, 1890, prevents him dispensing medical prescriptions, and the cocaine order prohibits cocaine being supplied unless on the prescription of a registered medical practitioner. (2) An American dentist (D.D.S.) not registered as a dentist in this country is only an authorised person until October 15, and is not likely after that date to receive a permit to purchase cocaine.

*R. G. E.* (39/38).—It is considered a moot point by some whether a hair-wash containing tincture of cantharides in the proportion of 1 in 30 is a poison within the meaning of the Pharmacy and Poisons Act. The tincture and all vesicating liquid preparations or admixtures of cantharides are Part II. poisons, but some doubt if preparations or admixtures of cantharides which are not vesicating are included in the Schedule. On this point Mr. W. S. Glyn-Jones writes in "The Law of Poisons and Pharmacy" that "all preparations and admixtures containing cantharides" and "all preparations and admixtures containing the poisonous derivatives of cantharides," as well as others named, are in Part II.; this statement being the literal interpretation of the "all preparations or admixtures" item which is the last in the schedule.

*J. W. M.* (57/52).—(1) No prescription for a preparation containing 0.1 per cent. or more of cocaine may be repeated, unless it has been endorsed by the medical practitioner by whom it was originally issued. It is essential that the dispenser should have a fresh endorsement by a medical practitioner each time that he repeats the prescription. This applies to the cocaine ointment prescribed six months, one year, and four years ago, and also to the eye-drops if containing 0.1 per cent. of cocaine. (2) When a prescription containing cocaine is dispensed, it must be entered (a) in the prescription-book in the manner prescribed by the Pharmacy Act, and (b) in the special book required by the Cocaine Regulation (*C. & D.*, August 5, p. 43). (3) The Regulation came into force on July 31. Your reference to October 15 is apparently regarding the time given to unregistered dentists to obtain and use cocaine.

### Miscellaneous Inquiries.

*A. B.* (36/52).—INSECT-PENCILS.—We should think that menthol is a desirable ingredient in pencils applied to insect-bites. It is also suggested that an alkali, such as sodium carbonate, should be present for the purpose of neutralising the formic acid which stings contain.

*M.P.S.* (France) (56/56).—We do not agree with you that pharmacy in Great Britain is played out on account of the women who are coming into it. In all departments of work we owe much to women at present; they are doing men's work splendidly, but the country is not to come to an end for that reason. The Minor certificate will admit you to registration in any part of South Africa.

*A. E. F.* (44/63).—MAMMITIS IN COWS.—The disease is evidently mammitis, which is caused by germ-infection of the duct. Milk the cows frequently and inject daily into the teats a 5-per-cent. solution of chinisol in glycerin. Bathe the udder with warm water containing poppy-heads and belladonna. The following are also suitable applications for the udder:

I.		III.	
Ol. dulcis,		Ol. olivæ ...	3iv.
Ol. lini ... aa.	3ij.	Ceræ flav. ...	3ij.
Liq. ammon. fort.	3ij.	Emp. galbani ...	3ij.
Aquam ...	3iv.	Melt together and add—	
Misce.		Mellis ...	3vj.
II.		IV.	
Lin. camph. co. ...	3v.	Iodi ...	3ij.
Ceræ flav. ...	3iv.	Hyd. iod. rub. ...	gr. xx.
Ferri hydroxidi ...	3j.	Potass. iod. ...	3j.
Ung. hydrarg. ...	3ij.	Adipis,	
Ft. ung.		Vaselin. ... aa.	3ij.
		Apply one daily; discontinue when irritation is caused.	

Give a mild purge to keep the bowels in a loose condition, and give the following every four hours:

Potass. bicarb.	...	3ij.
Tinct. aconiti	...	℥xv. xxx.

The other trouble you refer to is caused by the pain of the disease.

*J. A. D.* (51/27).—AGAR-AGAR IN CONSTIPATION.—The agar-agar is used in the form of coarse powder, and of this one to four teaspoonfuls is taken sprinkled over the food, especially cooked vegetables. The agar-agar acts mechanically, and is not digested. It should be administered at first with moderation, as it has been found to cause sometimes clogging of the rectum, which requires the administration of a warm enema. So soon as free evacuations have been brought about the dose of agar-agar is gradually diminished.

*F. S. M.* (Barcelona) (8/8).—THE ALUM-STONE used for stopping the flow of blood from razor-cuts obtained in shaving is either compressed powdered alum or a mixture of alum with borax (5 per cent.) and glycerin (½ per cent.) fused together and moulded into small cakes. Another formula is:

Alum, in powder	...	100
Gum acacia	...	100
Gallic acid	...	46
Benzoin	...	65

This is made into cakes with tragacanth mucilage.

*E. G. T.* (50/41).—We cannot undertake to supply formulæ in imitation of the proprietary article to which you refer.

## Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Sept. 15, 1866.

### Contents (Double Number).

British Pharmaceutical Conference.	Extension]. By Mr. Joseph Ince, Assoc. of King's College, London.
Report of the Executive Committee.	On the Calamine of Pharmacy. By R. H. Davis.
On the Study of Botany in connection with Pharmacy. By the President.	On the Spirit-value of a few Purchased Tinctures. By John Attfield, Ph.D., F.C.S.
On the Results of the Micro-Chemical Examination of Extract of Flesh. By H. Deane, F.L.S., and H. B. Brady, F.L.S.	Notes on Plasma. By G. F. Schacht.
On Aconite. By T. B. Groves, F.C.S.	On the Proposed Introduction of Two Systems of Chemical Notation in the Pharmacopœia. By J. C. Brough.
Notes on Impurities. By B. S. Procter.	On a New Macerating Apparatus. By R. W. Giles.
On the "Dried Alum" of Commerce. By John Watts.	On a New Form of Stirring Apparatus. By R. Reynolds, F.C.S.
On the Active Principle of Hyoscyamus. By W. A. Tilden, F.C.S.	On Weights, Measures, Coins, and Numbers. By John Attfield, Ph.D., F.C.S., Director of the Laboratory of the Pharmaceutical Society of Great Britain.
On Syrup of Phosphate of Iron. By C. Umney, F.C.S.	Use of Methylated Spirit in Medicine.
On Valerianate of Iron. By F. Sutton, F.C.S.	The Nottingham Members.
On Chlorate of Quinine. By C. R. C. Tiehborne, F.C.S.	The President.
Pharmaceutical Ethics [The Ethics of the Shop; Social Ethics; Medical Ethics; Ethics of Public Life; Personal Ethics; Ethics of Trade]	Exhibition of Objects Relating to Pharmacy.
	The Dinner.

We have omitted the folios from the above and other contents of the issue.

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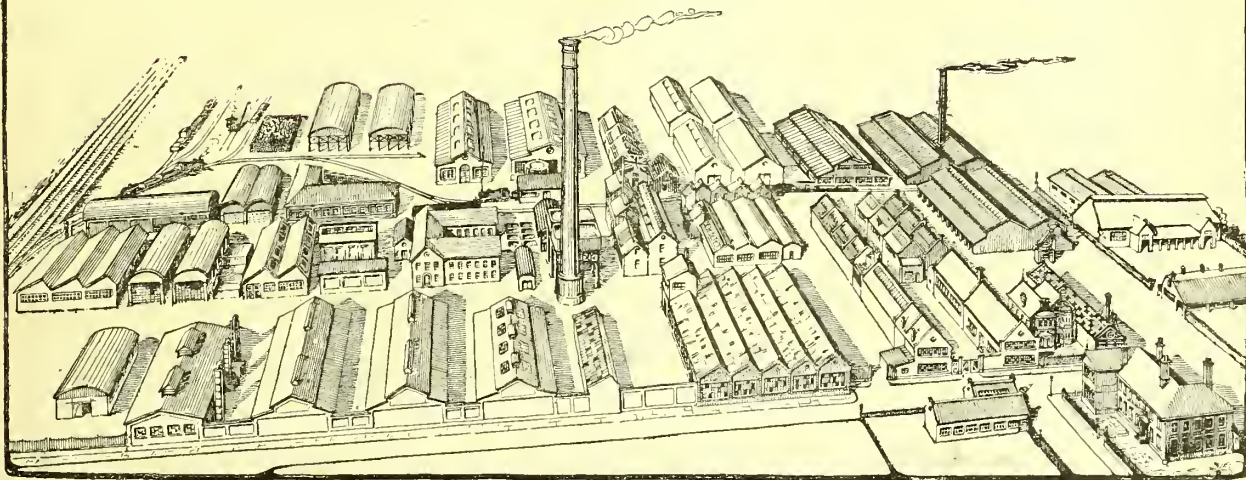
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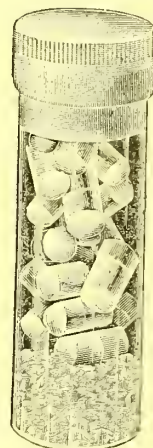


Fig. 1.

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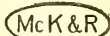
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1/1½ pkt. now contains 12 powders	8/-
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**N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.**

**F**ol. Sennæ Tinnev., 1 cwt. @ 10d. lb.; 7 lbs. @ 11d. lb.; English Ground, 56 lbs. @ 1 3¼ lb.; 7 lbs. @ 1¼ lb.  
Formaldehyde, 40%, 4 cwt. barrels @ 87/6 cwt.; 7 lbs. @ 1/1 lb.  
Fuller's Earth, fine powder or lump, 5 cwt. @ 8/3 cwt.; 1 cwt. @ 9/6.

**G**alla Cærul. Pulv., 7 lbs. @ 2/- lb.  
Gamboge, English Ground, 7 lbs. @ 5/6 lb.; 1 lb. @ 1 lb.  
Ginger, English Ground, 1 cwt. @ 60/- cwt.; 7 lbs. @ 8d. lb.

Gingerine, Extra, 5 lbs. @ 13/- lb.; 1 lb. @ 13/6.  
Glycerin. Opt. D.D., 1.260 P.B., 56 lbs. @ cwt.; 12 lbs. @ 1/4 lb.  
Glycerin. Acid. Boric, P.B., 6 lbs. @ 2/1 lb.  
" Acid. Carbolic, P.B., 6 lbs. @ 1/10 lb.  
" Acid. Tannic, P.B., 6 lbs. @ 2/5 lb.  
Belladonna B.P.C., 6 lbs. @ 6/6 lb.; 1 lb. @ 7/- lb.

Glycerin. Boracic, P.B., 6 lbs. @ 1/6 lb.  
" Pepsin. Acid, P.B., 1 lb. @ 3/3 lb.  
" Plumbi Subacet., P.B., 6 lbs. @ 1/11 lb.

Guaiacol Carb., 1 lb. @ 135/- lb.  
Guaiacol, pure, 1 lb. @ 82/- lb.  
Gum Acaciae sortis, 3 cwt. @ 72/6 cwt.; 1 cwt. @ 77/6 cwt.; 7 lbs. @ 9¼ d. lb.; English Ground Powder, No. 1, 1 cwt. @ 140/- cwt.; 7 lbs. @ 1/6 lb.; No. 2, 1 cwt. @ cwt.; 7 lbs. @ 1/2 lb.

Gum Benzoin, Sumatra, 84 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.

Gum Catechu Nig., English Ground, 1 cwt. @ 105/- cwt.; 14 lbs. @ 1/- lb.  
Gum Guaiaci, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/5 lb.

Gum Juniper, 14 lbs. @ 1/- lb.  
Gum Tbus Elect., 2½ cwt. @ 48/- cwt.; 28 lbs. @ 52/- cwt.

Gum Tragac. Elect., English Ground, 7 lbs. @ 12/- lb.; 1 lb. @ 12/6 lb.

**H**edding (Frotbing Ess.), 5 lbs. @ 1/3 lb.  
Heliotropine, 1 lb. @ 26/- lb.  
Hellebore, White, Powder (Foreign Ground), 1 cwt. @ 52/6 cwt.  
Hexamethylenetetramine, 7 lbs. @ 4/9 lb.; 1 lb. @ 5/- lb.

Honey, Pale Set, Jamaica, 28 lbs. @ 78/- cwt.; Californian, ½ cwt. @ cwt.; 7 lbs. @ 1 lb.

Hydrargyrum, P.B., 10 lbs. @ 5/9 lb.; 1 lb. @ 6/- lb.; Ammon., 28 lbs. @ 7/11 lb.; c. Creta, 28 lbs. @ 2/6 lb.; Iodid. Rub. 28 lbs. @ 1/6 lb.; Oxid. Rub. 28 lbs. @ 7/6 lb.; Perchlor., Lump, 28 lbs. @ 7/9 lb.; Subchlor. 28 lbs. @ 7/6 lb.; Sulph. c. Sulph., 28 lbs. @ 7/- lb.; 7-lb. quantities 1d. lb. extra.  
3-lb. quantities, 2d. lb. extra, 1-lb. quantities, 3d. lb. extra.

Hydrokinone, 1 lb. @ 40/- lb.

**I**chthyol Ammon. chemical equivalent: Ammon. Ichthosulphonas, B.P. Codex, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.

Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/8 lb.  
" Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/7 lb.  
" Bucbu Conc., 1 to 7, 6 lbs. @ 2/8 lb.  
" Calumbæ Conc., 1 to 7, 6 lbs. @ 1/1 lb.  
" Caryoph. Conc., 1 to 7, 6 lbs. @ 1/3 lb.  
" Cascarilla Conc., 1 to 7, 6 lbs. @ 1/6 lb.  
" Cincbonæ Acid, 1 to 7, 6 lbs. @ 1/10 lb.  
" Gentianæ Co., 1 to 7, 6 lbs. @ 1/3 lb.  
" Quassia Conc., 1 to 7, 6 lbs. @ 1/1d. lb.  
" Rhei Conc., 1 to 7, 6 lbs. @ 1/9 lb.  
" Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 2/10 lb.  
" Senegæ Conc., 1 to 7, 6 lbs. @ 2/7 lb.  
" Valerian Conc., 1 to 7, 6 lbs. @ 1/9 lb.

Insect Powder, Opt., English Grd., closed flowers, 7 lbs. @ 3/- lb.; English Ground, ½ closed flowers, 4d. lb. less; Foreign Ground, 28 lbs. @ 1/10½ lb.

Iodoform Pulv. B.P., 7 lbs. @ 20/6 lb.; 1 lb. @ 21/- lb.  
Iodum, resub. B.P., 7 lbs. @ 18/9 lb.; 1 lb. @ 19/3 lb.

Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

**K**amala, 7 lbs. @ 1/8 lb.; sifted, 2/- per lb.

**L**apis Pumicis, fine powder, 2 cwt. @ 12/6 cwt.; 7 lbs. @ 2d. lb.; lump, 2 cwt. @ 18/- cwt.; 7 lbs. @ 3d. lb.

Licorice Juice, 2-oz. Sticks, 1 cwt. @ 180/- cwt.; 28 lbs. @ 1/8½ lb.; 7 lbs. @ 1/9 lb.  
Lin. Aconiti Metb., 5 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb.

" Bellad. Metb., 5 lbs. @ 8/3 lb.; 1 lb. @ 8/6 lb.  
" Camph. P.B., 40 lbs. @ 1/0½ lb.; 9 lbs. @ 1/11 lb.

" Sapo Metb., 9 lbs. @ 1/- lb.  
" Tereb. Acet., B.P., 5 lbs. @ 1/1 lb.  
Linseed c. Oil, Crused, 3 cwt. @ 28/- cwt.; 1 cwt. @ 28/6 cwt.

" Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 1/4 lb.; 1 lb. @ 1/7 lb.

" Ammon. Aromat., 6 lbs. @ 10d. lb.  
" Antim. Chlor. Pure, 8 lbs. @ 10d. lb.  
" Arsenicals, B.P., 7 lbs. @ 5d. lb.; 1 lb. @ 8d. lb.

" Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.

" Bismuth, P.B., 6 lbs. @ 1/7 lb.  
" Copaiba Bucbu et Cubeb, 5 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.

" Easton, p.s. 1-3, B.P., 1 lb. @ 3/5 lb.  
" Ferri Dialysatus, 6 lbs. @ 1/2 lb.

" Ferri Iod. p.s., 1-7, 1 lb. @ 8/- lb.  
" Ferri Perchlor. Fort., P.B., 7 lbs. @ 6d. lb.  
" Ferri Phosph. Co. p.s., 1-7, 7 lbs. @ 1/7 lb.

" Hamamelidis, B.P., 6 lbs. @ 1/3 lb.  
" Hypophosph. Co., p.s., B.P.C., 1 lb. @ 3/10 lb.

" Iodi Fort, B.P., 5 lbs. @ 7/- lb.  
" Morphina Acet. or Hydrochlor., P.B., 6 lbs. @ 4/2 lb.

" Opil Sed., 5 lbs. @ 6/3 lb.  
" Plumbi Subacet., P.B., 7 lbs. @ 7d. lb.

" Pruni Virg. pro Syr., 1 to 7, 5 lbs. @ 2/9 lb.  
" Rheados pro Syr., 1 to 7, 5 lbs. @ 2/8 lb.

" Rhei, p.s., 1-7, 6 lbs. @ 2/4 lb.  
" Santali Co., 1 lb. @ 4/10 lb.

" Sennæ Dulc. 6 lbs. @ 1/8 lb.  
" Sennæ pro Syr. 1-7, 6 lbs. @ 3/4 lb.

" Strychnina Hyd. P.B., 6 lbs. @ 1/11½ lb.  
" Tolut. pro Syr. 1-7, 6 lbs. @ 1/9 lb.

" Trinitrin, B.P., 1 lb. @ 7/- lb.  
Lithia Carb. P.B., 28 lbs. @ 6/- lb.; 7 lbs. @ 6/3 lb.; 1 lb. @ 6/6 lb.

" Citras, B.P., 28 lbs. @ 6/4 lb.; 7 lbs. @ 6/7 lb.; pulv. 3d. lb. extra.

Lycopodium, 7 lbs. @ 11/- lb.

**M**ag. Calc. Levis, 1 lb. @ 2/3 lb.  
Mag. Calc. Pond., 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

Mag. Carb. Pond., 7 lbs. @ 11d. lb.  
Mag. Carb. Levis, 1 cwt. @ 70/-; 7 lbs. @ 8½ d. lb.

Mag. Cit. Gran., 28 lbs. @ 1/5 lb.; 6 lbs. @ 1/6 lb.  
Mag. Sulph., fine druggists, B.P., 1 cwt. @ 19/6; 28 lbs. @ 2½ lb.

Manna, Flake, 14 lbs. @ 5/10 lb.; 7 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.

Menthol, dry white cryst., 60 lbs. @ 10/10 lb.; 5 lbs. @ 11/6 lb.

\*Mist. Sennæ Comp., B.P., 20 lbs. @ 8d. lb.; 6 lbs. @ 9d. lb.

Morpbina Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 14/- oz.; 16 oz. @ 14/3 oz.; 8 oz. @ 14/6 oz.; 1 oz. @ 15/3 oz.; Pur. Præcip. Bineconate or Tart., 1 oz. @ 19/- oz.

Morpbina Diacetyl., 4 oz. @ 21/- oz.; 1 oz. @ 21/6 oz.; Hydrochlor., 6d. per oz. less.

Myrrh, Gum, English Ground, 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.

**N**aphtbalene, Candles, 7 lbs. @ 7½ d. lb.  
Nux Areca, 1 cwt. @ 55/- cwt.; 7 lbs. @ 7d. lb.; powder, English ground, @ 80/- cwt.; 7 lbs. @ 9½ d. lb.

**O**l. Amygdal. Ang., B.P., 9 lbs. @ 3/- lb.  
Ol. Anetbi Ang. B.P., 1 lb. @ 30/- lb.

Ol. Anisi, E.I., 66 lbs. @ 3/8 lb.; 16½ lbs. @ 4/- lb.; 4½ lbs. @ 4/5 lb.; 1 lb. @ 4/8 lb.

Ol. Aurant., 12 lbs. @ 9/6 lb.; 1 lb. @ 10/3 lb.; not guaranteed absolutely pure.

Oil of Bays, genuine W.I., 1 lb. @ 14/6 lb.  
Ol. Cajuput, B.P., 21½ oz. bots. @ 4/9 lb.

Ol. Camphor. Essent., White, 40 lbs. @ 8½ d. lb.; Brown, 40 lbs. @ 120/- cwt.

Ol. Caryoph. Ang., B.P., 9 lbs. @ 6/4 lb.; 4½ lbs. @ 6/7 lb.

Ol. Cassia, 16 lbs. @ 4/6 lb.; 6 lbs. @ 4/9 lb.  
Ol. Cinnamon, 1 lb. @ 32/- lb.; 1 oz. @ 2/3 oz.

Ol. Citronella, 9 lbs. @ 2/3 lb.  
Ol. Coco Nucis, finest White, 80 lbs. @ 57/- cwt.; 40 lbs. @ 60/- cwt.

Ol. Eucalypt., P.B., 1 cwt. @ 2/6 lb.; 28 lbs. @ 2/7 lb.; 9 lbs. @ 2/8½ lb.

Ol. Geranii Gall. Opt., 1 lb. @ 28/- lb.; 8 1-oz. bots. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.

Ol. Gynocardia, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.  
Ol. Juniperi Ligne Exot., 9 lbs. @ 4/6 lb.

Ol. Lavand. ab Flor., 5 lbs. @ 15/6 lb.; 1 lb. @ 16/6 lb.

Ol. Mentb. Pip. English, 5 lbs. @ 36/6 lb.; 1 lb. @ 37/6 lb.; Hotchkiss original bots., 21 oz. each @ 15/9 lb.; 6 bots. @ 15/6 lb.; 18 bots. @ 15/- lb.; American, 20 lbs. @ 9/3 lb.; 4½ lbs. @ 9/9 lb.; 1 lb. @ 10/6 lb.

Japanese, 60 lbs. @ 4/7 lb.; 5 lbs. @ 4/9 lb.  
Ol. Morruba, 1915, finest non-freezing, 2-gall. tins @ 20/- per gall.

Ol. Myrrbane, 9 lbs. @ 3/- lb.  
Ol. Myristica, 7 lbs. @ 5/- lb.; 1 lb. @ 5/6 lb.

Ol. Nucis Pallid., 2 gall. tins @ 7/6 gall.  
Ol. Olivæ, P.B., good yellow, guaranteed pure, 45 gall. barrels @ 5/6 gall.; 2 gall. tins @ 7/- gall.

Ol. Origan Rub., Coml., 28 lbs. @ 2/- lb.; 9 lbs. @ 2/3 lb.

Ol. Peach Kernel (so-called), 1 cwt. @ 1/6½ lb.; 56 lbs. @ 1/7½ lb.; 9 lbs. @ 1/9½ lb.

Ol. Pulegii B.P., 5 lbs. @ 6/6 lb.; 1 lb. @ 6/10 lb.  
Ol. Ricini Alb. Opt. Medicinal, 44 lbs. @ 75/- cwt.; 9 lbs. @ 10d. lb.; for export, 1 cwt. drums recommended.

Ol. Rosmarini, Coml., 28 lbs. @ 2/3 lb.; 9 lbs. @ 2/6 lb.; B.P., 9 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.

Ol. Santal. Flav. Ang. B.P., 5 lbs. @ 37/- lb.; 1 lb. @ 37/6 lb.

Ol. Sassafras, genuine, 28 lbs. @ 3/10 lb.; 1 lb. @ 4/5 lb.

Ol. Theobromæ, B.P., 8-oz. tabs., 28 lbs. @ 2/8 lb.; 7 lbs. @ 2/9 lb.

Ol. Wintergreen, Artificial, 5 lbs. @ 14/- lb.; 1 lb. @ 14/6 lb.

Opium Turc. B.P., 14 lbs. @ 36/6 lb.; 3 lbs. @ 37/6 lb.; 1 lb. @ 38/6 lb.; powder, 6d. lb. extra.

\*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

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**Glycerophosphate of Sodium**

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**GLYCEROPHOSPHATE of SODIUM 75%**

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Also, Glycerophosphate of Iron, Manganese,  
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Fluorspar, Felspar. Ground Carbonate and Sulphate of Barytes.  
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*AND*  
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Any chemist can easily sell one gross per week of this wonderful washing tablet. It saves time, money and labour. Hundreds of unsolicited testimonials have been received for it. Sample gross, with literature, etc., sent carriage paid, 16/- Foreign and wholesale sole agencies open.

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LTD.****ALUMINIUM BOXES**Branston St.,  
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With inscriptions in any desired tint; also Plain or Embossed.

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Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep, Debility, Chills, and Low Condition in all Stock.

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For Blood Disorders, Humours, General Weakness, Surfeits, Indigestion, Sterility, &c., in Horses and Beasts. Promotes Growth of Bone. Makes animals "fit" for Show or Sale.

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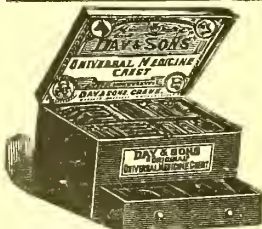
Heal all Wounds in Horses, Cattle, and Sheep, Sore Teats and Swollen Udders in Cows and Ewes. For Anointing in difficult Lambing or Calving.

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A Safe Embrocation for Sprains, Swellings, Windgalls, Sprung Sinews, Rheumatism, Sore Throat, Weak Joints, &c.

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LIBERAL TERMS FOR FOREIGN BUYERS.



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NAPHTHALENE BALLS.  
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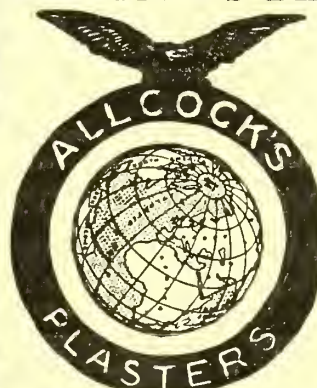
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of guaranteed B.P. quality, in snow-white crystal flakes.

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**The Pharmacia****Royal Pharmaceutical Laboratories,**

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**KRASKA**THE QUEEN LIQUID  
:: NAIL POLISH ::**Highly Profitable.**

Sold at all Wholesale Houses

8/3 11/- 16/6

Per Dozen.

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Per Bottle.


Applications for Agencies invited.

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Registered also in Australia, India, The Cape, The Argentine, Germany, &amp;c.

**IMPORTANT NOTICE AND CAUTION.**

Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of W. J. RENDELL, "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

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INVENTOR AND SOLE MAKER,

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# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, SEPTEMBER 2, 1916

## TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

**PROVIDED the MONEY is TELEGRAPHED**

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 2617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

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## THE PUBLICITY IT PAYS TO PAY FOR.

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Telephone Number: City 2283.

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2.—WEST MIDDLESEX (Main Line of Rail).—For Disposal, through death of Manager, Cash Retail Business; returns £600; net profit one-third; rent £36; 7-roomed house and garden; no reasonable offer refused.

3.—OXFORD STREET (Near Death Vacancy).—Good-class Business; no immediate opposition; returns £1,000 yearly; net profit £300; modern, well-fitted shop; price £750.

4.—LONDON, S.E.—Family Retail and Dispensing Business; no Panel; established many years; returns show a steady increase, last year's turnover being about £1,000; net profit £300; attractive shop, double-fronted; rent £45; comfortable residence, with garden; price about £650.

5.—BOND STREET (Near).—Attractive shop, capitally situated; returns present rate, £12 weekly; scope for considerable development under good management; lock-up Pharmacy; long lease; price £500.

6.—NORTHERN SUBURB (Middle-class).—Brisk ready-money Business; situate in shopping thoroughfare; returns about £1,100; net profit £450; price about £600.

7.—KENSINGTON (Death Vacancy).—Retail and Dispensing Business; returns £1,000; gross profit £500, present rate less; well-appointed shop, with residence; widow will consider any reasonable offer.

8.—WESTERN COUNTY.—Old-established Business for immediate Disposal through ill-health of vendor; returns between £1,300 and £1,350; gross profit £500; substantially fitted and well stocked; good house and garden; no reasonable offer refused.

9.—BRISTOL CHANNEL (Health Resort).—Neglected Business; returns about £500; excellent opening for a pushing man; terms, valuation of stock and fixtures.

10.—WILTS.—Retail and Dispensing, with Wines and Spirits; established many years, and held by vendor about 28; returns last year £1,562; good-sized house, with garden attached; terms, goodwill £50, stock and fixtures by valuation.

11.—INLAND HEALTH RESORT.—Established Business, Dispensing and Retail; returns upwards of £3,000 per annum; vendor would consider a Partnership with a view to the incomer taking up the whole within a given period.

12.—SURREY (Within Easy Distance of London).—Dispensing and Retail; all good middle-class business; returns £1,000; net profit between £250 and £300; good position in close proximity to railway station; price about £700.

13.—SOUTHERN COUNTY.—Unopposed Business, very old-established; returns about £850; net profit exceeds £250; exceptionally good residence, with garden and outbuildings; price £400; this is much below market value.

14.—HUNTS.—Unopposed Business, Retail and Agricultural; returns £825; net profit about £250; comfortable residence, with bathroom and offices, flower and kitchen gardens; rent £25; price £400.

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.**



# PARSON C. BAKER

Pharmaceutical Chemist,

**TRADE VALUER AND TRANSFER AGENT.**

Recommended by British Drug Houses, Ltd.; Messrs. & Co.; Barclay & Son.  
Tel. No.: FINCHLEY 812.

**VALUATIONS, ESTIMATIONS, EXAMINATIONS, AND  
FULL REPORTS, Town or Country, on moderate terms.**

No charge whatever to vendors or purchasers except by agreement.

Personal Attention  
to every detail.

40 years' Valuation  
experience.

CORRESPONDENCE INVITED.

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CHEMISTS' VALUERS, TRANSFER AGENTS,  
AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

## BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

### NO CHARGE TO PURCHASERS.

1.—BANKS OF THAMES (Death Vacancy).—Good-class Chemist's Business, with Optics; returns last year over £1,850; good profits; attractive, well-fitted shop, fine position, and fully stocked; scope for increase; price about £1,000, bare valuation; strongly recommended.

2.—KENT.—Light profitable Retail, returning £700 under Manager; good profits; scope for increase; no opposition; modern-fitted shop; good house; price £300, half can remain.

3.—NORTH WALES COAST.—Unopposed Light Retail; returns last year £575; net profit £200; double-fronted shop, fully stocked; price £200 or valuation.

4.—MIDLANDS (Death Vacancy).—Light Family Retail and Agricultural, in pleasant market town; easy hours; returns £900; net profit £300; good opening for Photo and Optics; one other Chemist; price £425, or first reasonable offer.

5.—LONDON, S.E.—Working Partner required in good middle-class suburban business; returning £1,000, no Panel; fine position; good residence; price for half share £370; incoming Partner's share of profits would exceed £200 a year.

6.—NORTH LONDON.—Good middle-class Retail; pleasantly situated; returns £850; attractive shop; good stock; price £300 or valuation; personally inspected and recommended.

7.—LONDON, N.W.—Good-class Family Retail, no Photo or Optics; same hands many years, retiring; returns about £1,150; good profits; splendid stock; pleasant locality; price £700.

### STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application.

Why you should have stock taken is very clearly defined on page 135 of the *C. & D. Diary* for this year. Have you read it?

## BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

Will advertiser 167/20 in this issue kindly communicate his name and address to the Publisher, 42 Cannon Street, E.C.

**BIRKENHEAD.**—Family Retail and Dispensing Business, old established; good house, side entrance; scope for increase; vendor liable for military service. 168/21, Office of this Paper.

**LONDON, N.W.**—Drug Stores in thickly populated suburb; doing £12 to £14 weekly; very profitable; splendid opening for N.H.I. Cash business; well stocked; great bargain, £325 (about value of stock and fixtures); ill-health cause selling. 167/20, Office of this Paper.

**LONDON, S.W.**—Drug Stores; good investment; a sound little Business; good middle-class; returns show a steady increase; up-to-date stock; nice shop, house contains 6 rooms, bath, scullery; garden, side and back entrance; valuation stock and fixtures, about £175; no Photo, Optics or N.H.I.; reason of sale leaving London. 167/32, Office of this Paper.

**SOUTH MIDLANDS.**—Through family reasons, unique opportunity offers to secure good-class Country Business, having large turnover and excellent profits; modern shop, splendid house, and fine garden; thorough introduction given; applicants must command £3,000; references required. Apply, "Excelsior" (170/38), Office of this Paper.

**WEST HARTLEPOOL.**—For Sale, through death, old-established business; price low; splendid opportunity; worth inspection. Apply, Geo. Emerson, Solicitor, Church Street, Birmingham.

**ATTRACTIVE** up-to-date Pharmacy; a rare opportunity; one of the best shops in the Midlands; commanding position, centre of large town; valuable registered Specialities from which probably a fortune could be made; owner retiring from the business; takings about £6,000, January to June this year over £3,000; favourable lease granted; large stock, valuable fittings; price £4,000. 167/22, Office of this Paper.

**CHEMIST-OPTICIAN** (Death Vacancy). — Good-class Business, with good Optical connection, well fitted and stocked; good house, in first-class neighbourhood; returns last year nearly £2,000; price a little over valuation of stock and fixtures. "K. B." (168/36), Office of this Paper.

**UNOPPOSED**, very profitable, good Retail and Prescribing Business at Naval Base South Coast, five minutes from railway station, centre of thickly populated district; nice house; low rent, only £30; long lease; large well-fitted shop, very heavily stocked; good scope for Dentistry; returns last three years average nearly £850; good profits; Insurance Dispensing moderate; owner going Wholesale; price only £650, barely value of stock and fixtures; splendid opportunity; very healthy district. Reply, "Genuine" (167/14), Office of this Paper.

**UNOPPOSED** Country Retail, South-East Midlands; returns exceed £800 at good prices; in same hands 40 years; well stocked, nicely fitted shop; large, comfortable residence, private entrance, bathroom, garden; rent £25; price £400, or near offer. 169/29 Office of this Paper.

**£75** (or Offer).—Old-established Business, with convenient house and garden; price less than value of stock; exorbitant sale owing to expiration of lease. James, 37 Vestry Road, Camberwell, S.E.

## TENDERS.

PARISH OF ST. MARY, ISLINGTON.

### CONTRACTS.

**T**HE Guardians of the Poor of the Parish of St. Mary, Islington, invite Tenders for the supply of DRUGS and DRUGGISTS' SUNDRIES for a period of three months, commencing 1st October, 1916, to be delivered in such quantities, as and when required at the St. John's Road and Cornwallis Road Institutions; Highgate Hill Infirmary; Schools, Hornsey Road; Receiving Homes, Hornsey Rise, N.; and the Outdoor Dispensaries in the Parish.

Printed forms of Tender (which alone will be received, and which contain conditions of Contract) must be obtained from the Clerk personally, or a stamped addressed brief-size envelope may be sent.

Sealed Tenders must be delivered at the undermentioned Offices on or before TUESDAY, the 12th September, 1916, addressed to the Guardians, and endorsed "Tender for . . . . .", and the Tenders will be opened at a Meeting of the Guardians to be held on Thursday, the 14th September, 1916.

The Guardians do not bind themselves to accept the lowest or any Tender.

No Contract will be given to firms who do not ordinarily observe Trade Union rates and conditions.

By Order,

EDWIN DAVEY, Clerk.

Guardians' Offices,

St. John's Road, Upper Holloway, London, N.,  
28th August, 1916.

## AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

**I**NDIA.—A thoroughly alive Agent on commission, to handle Druggists' Sundries, Perfumery, Toilet Goods, etc., required for the Near East. "Rajah" (57/54), Office of this Paper.

**I**RELAND.—Young gentleman, ineligible, with good connection among Chemists, Medical men, and Mineral Water Manufacturers, is open for good-class Agencies, or would Represent good House; highest references. Apply, 166/17, Office of this Paper.

## TO LET.

**I**XWORTH.—Good Chemists and Druggists' to Let in the High Street; shop, house, premises, fixtures; 6 miles from Bury St. Edmunds; Ixworth has population over 900; surrounded by large Agricultural population; the above was occupied by the late Henry Thurlow and his widow 50 years; rent only £20; splendid opening for Dispensary; the above is the property of the Oddfellows, of which there are Oddfellows and Foresters' Clubs held in the village, with over 500 members; possession February next. Apply, Robert Hurrell, Ixworth, Bury St. Edmunds.

**D**ENTAL Rooms (Operating, Waiting, Office, Workrooms), over well-known Chemist's business in Northern city; could take over Practice and accessories, Chair, Instruments, etc., quite cheaply; well established; lease with rebate during war; references to accompany inquiries. "Yorkshire" (167/17), Office of this Paper.

## FOR SALE.

**C**HEAP, National Cash Till; adds totals, prints automatically; as good as new; by post. Baker, 90 Augustus Street, Regent's Park.

**C**OMplete modern Fittings of Chemist's shop for Sale cheap; Dispensing Screen, Cases, Bottles, Carboys, etc. 168/8, Office of this Paper.

**V**ERMIFELLI, N.C.I. Powder; what offers 1 cask 200 lb., 1 cask 112 lb., 1 cask 46 lb.? "E. P." (164/12), Office of this Paper.

## BUSINESSES WANTED.

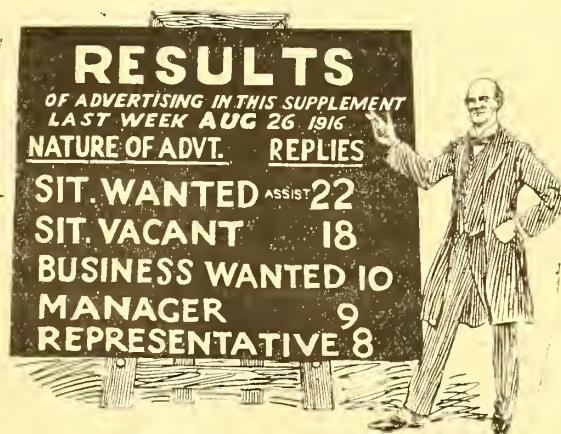
**A**DVERTISER is anxious to buy a sound and progressive Chemist's Business, taking about £20 a week; West of England or South Wales preferred; Partnership entertained. Apply to "Aspirin" (168/37), Office of this Paper.

**W**ANTED immediately, Light Retail and Dispensing; Suburban preferred, but not essential; must have good living accommodation; turnover about £700; cash ready. Full particulars in first letter to "Salol" (168/14), Office of this Paper.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

## RETAIL.

**A**LDERSHOT.—Wanted, Junior Assistant; unqualified; outdoors. Williams & Litchfield, Pharmacists, 140 Victoria Road, Aldershot.

**B**ATH.—Unqualified Assistant for Drug Department at once; no Sunday duty; high-class Dispensing and Counter work; short hours; comfortable berth. State salary, etc., to Cater, Stoffell & Fortt, Ltd., Bath.

**B**IRMINGHAM.—T. L. Reeve & Co., New Street, require at once a smart Junior Assistant; outdoors; accustomed to first-class Retail and Dispensing; easy hours; no Sunday duty. Give full particulars and enclose photo, to be returned.

**B**IRMINGHAM.—Assistant wanted, preferably one used to the Photographic trade, but not essential. Full particulars to C. T. Thonger, 77 High Street, Bournbrook, Birmingham.

**B**IRMINGHAM.—Assistant, unqualified; accurate Dispenser and obliging at Counter; good salary and hours. Apply, with full particulars, General Manager, Hedges (Chemists), Ltd., Dale End.

**B**RIGHTON.—Wanted in September, outdoor Assistant, with good Dispensing experience; ineligible. Apply, with full particulars and salary required, to J. Miller, 4 Victoria Road, Brighton.



**CHELMSFORD.**—An Assistant wanted at once, well up in Dispensing, Photography; must be total abstainer; ineligible; hours easy. Apply, stating salary and giving reference, to Manager, 31 High Street, Chelmsford.

**CHELTHENHAM.**—Assistant for Dispensing business. Apply, with full particulars, Thomas Bros., Montpellier, Cheltenham.

**CREWE.**—Qualified Assistant wanted (not Manager), ineligible, permanency, for a good Mixed Country business; short hours; half-day Wednesday; outdoors; no Sunday duty. State age, reference, and salary required, "Exors." of E. Booth.

**DARLINGTON.**—Managing Assistant required; abstainer preferred. Apply, stating age, height, experience, and salary required, to Waters, Chemist, Darlington.

**FOLKESTONE.**—Assistant wanted for high-class Dispensing business; qualified or unqualified, or an Improver. Apply, with full particulars, Stainer, Pharmaceutical Chemist, Folkestone.

**HAMPSTEAD HEATH (Near).**—Junior Assistant required, lady or gentleman, for Dispensing business; time for study given if required. Kindly give usual particulars, Herbert Williams, Dispensing Chemist, 31 Heath Street, Hampstead, N.W.

**HERNE HILL, S.E.**—At once, smart Junior or lady Assistant, with knowledge of Photography and Dispensing; outdoors. G. W. G. Robinson, M.P.S., 307 Railton Road, Herne Hill, S.E.

**HORSHAM, Sussex.**—Wanted, about end of September, qualified Assistant, lady or gentleman (the latter ineligible for military service); accustomed to good class Retail and Dispensing; reasonable hours; weekly half-holiday; no Sunday duty; outdoors. State age, experience, references, salary required, E. A. L. Kittle, Pharmacist, 1 Carfax, Horsham, Sussex.

**HULL.**—Wanted, Junior Assistant with good Dispensing experience; ineligible for the Army. State particulars and salary to C. H. Kirton, Pharmaceutical Chemist, 53 Savile Street, Hull.

**LONDON.**—Wanted immediately, a qualified Assistant; not eligible for the Army; well used to Dispensing and quick Retail trade. Give full particulars, with references, to "X.Y.Z." (167/31), Office of this Paper.

**LONDON.**—Qualified Manager required for modern cash business; must be above military age, energetic, good Counter-man and Dispenser; permanency with interest in the profits offered. 169 510, Office of this Paper.

**LONDON, N.**—Five evenings a week and alternate or more frequent Sunday evenings. Full particulars to "Pelliloti" (167/16), Office of this Paper.

### TO SAVE TROUBLE.

**MANY** correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed *o/o* this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

### ANSWER IN TERMS OF THE ADVERTISEMENT AND

**REMEMBER** you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a **MENTAL PICTURE** of your suitability.

**BE BRIEF BUT CLEAR.**—Millions of applications are consigned to the waste-paper basket **UNCONSIDERED**, because the reader cannot form this picture from the inadequacy of the materials set before him.

## RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

**LONDON, N.W.**—Locum or experienced Assistant required for one week during September; indoors. Apply, with references, and stating full particulars, to "Tannigin" (168/25), Office of this Paper.

**LONDON, S.W.**—A competent Assistant, in September or at once; ineligible or beyond the military age; outdoors. Apply, with full particulars in first letter, or personally, to "A. W.," c/o Alsop & Quiller, 137 Sloane Street, S.W.

**LONDON, W.**—Competent Assistant wanted immediately; one with previous West-End experience preferred. Apply personally, or by letter, to J. Munro & Co., 275 Regent Street, W.

**MANCHESTER.**—Qualified man for Branch; permanency to a good Salesman. Please send full particulars to "Chemist," c/o Quilliam & Co., Victoria Bridge, Manchester.

**MANCHESTER.**—Unqualified Counter Assistant required in high-class Retail business; must be good Salesman and Window-dresser; permanency. State age, experience, salary expected, etc., 139/10, Office of this Paper.

**MANCHESTER.**—Unqualified Assistant as soon as possible; good Dispenser and Counterman; must be ineligible. State salary required, references, and when at liberty, to 168/12, Office of this Paper.

**NEAR Nottingham.**—Capable Assistant wanted, qualified, to take charge of N.H.I. Dispensing and General Retail Counter; must be energetic and good Salesman; liberal salary and comfortable permanency to competent, well-recommended man; industrial centre; moderate hours; half-day Wednesday. Usual particulars, salary required, references, and photo if possible, in first letter, to "W. G." (168/19), Office of this Paper.

**NEWCASTLE-ON-TYNE.**—Assistant (ineligible) wanted, outdoors. Dispensing and general Retail. State age and salary required (no Insurance Dispensing), W. Owen & Son, 157 Barras Bridge, Newcastle-on-Tyne.

**SOUTH OF ENGLAND.**—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

**YORK.**—Managing Assistant required for highest-class Pharmacy; one who is willing to also Manage first-class Ladies' and Gentlemen's Hairdressing Saloons, and occupy position of trust. Write fully, E. B. Kendall & Son, 6 Coney Street, York.

O. H. M. S.

**A DISPENSER (Male)** is required for Veterinary Hospital. Salary 45s. (forty-three shillings) weekly, and good sleeping accommodation.

Men eligible for Service or employed on Munitions, or other Government work, need not apply.

Applications to be forwarded to the Officer Commanding, Veterinary Hospital, Shirehampton.

**CAPABLE** Junior Assistant (ineligible) wanted for first-class West-End Dispensing; staff of three; outdoors. Apply personally, or by letter giving full particulars, to "E. G. H.," c/o Hogg & Son, 1 Southwick Street, Hyde Park, W.

**ELDERLY** qualified Chemist required to assist another in small business; comfortable home (indoors); plenty of time off. Apply, stating salary required and full particulars as to experience, "Scot" (163/33), Office of this Paper.

**EXPERIENCED** Assistant, lady or gentleman, for first-class Dispensing business; must be well up in Dispensing; two Assistants kept; to live on premises with housekeeper, or if married good house provided. Applicants please state age, qualifications (if any), and full particulars, H. B. Sharmen, Pharmacist, Northwood.

**IMMEDIATELY.**—Assistant, lady or gentleman; well up in Dispensing; lady must have some knowledge of Counter, and gentleman be ineligible; in or outdoors by arrangement; comfortable home and surroundings. Personal interview preferred at any time, if by letter, with fullest particulars, and salary required, photo if convenient, Pelham Young, Pharmacist, Hounslow. Phone 153 Hounslow.

**INELIGIBLE** or Discharged Soldier.—Resident Assistant wanted for a Light Retail and Photographic business, with N.H.I. Dispensing, in small manufacturing town; there is a good house and garden next the shop; owner will give salary and commission on improvement of present turnover. Charles Hardy, Leiston, Suffolk.

**JUNIOR** Assistant wanted at once, male or female; easy hours; chiefly for Dispensing. Simpkins, Pharmacist, Stourbridge.

**JUNIOR Assistant**, unqualified, lady or gentleman, for quick Retail and Dispensing business, N.H.I.; outdoors; reasonable hours; experience to be gained. Give full particulars, experience, salary, etc., in first letter, T. Strode, 88 Askew Road, Shepherd's Bush, W.

**LADY Assistant**; provinces; good opening; progressive salary; must have had good Dispensing and some Counter experience; permanency. "L.A." (169/301), Office of this Paper.

**LADY Assistant (Hall)**, or ineligible male; permanency; short hours; outdoors; no Sunday duty; chiefly for Dispensing Counter. State age, references, salary required, and when disengaged to F. W. Boon, Pharmacist, 88 Trinity Street, Gainsborough.

**LADY Assistant** wanted for Dispensing and Counter; experienced preferred, but not essential. Apply at once to "Northern" (168/06), Office of this Paper.

**LADY or gentleman (qualified)** required for Light Retail and N.H.I., with view to succession on easy terms or cash; very easy hours; well-fitted shop and good house; returns £650; personal interview required. Apply, "South Wales" (169/2), Office of this Paper.

**LADY required (Minor qualification)** for Limited Company, as Superintendent Dispenser, N.H.I. etc.; reliable and competent; permanent and comfortable berth for right person; North Staff.; kindly give full particulars, references, salary required; reply treated confidentially. Apply, 161/7, Office of this Paper.

**LOCUM** wanted immediately for three weeks; hours 9 to 7, Saturday 1.30; no Sunday duty; salary £3 10s. per week. Apply, Gould & Son, 59 Moorgate Street, E.C.

**LOCUM** wanted for first two weeks in September; in- or outdoors. Apply, giving full particulars, Orange, Chemist, Aldershot.

**MESSRS. TIMOTHY WHITE CO., LTD.**, Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects.

**QUALIFIED Manager** required for modern business; must be good Counterman and Dispenser; every inducement offered to a first-class man; vacancy in the provinces. 169/03, Office of this Paper.

**QUALIFIED Manager** required for an old-established Family Retail and Dispensing business; business is in a very progressive condition, and offers splendid scope to a man of about 46 years of age anxious to take his coat off and do really well; every encouragement given. 169/30, Office of this Paper.

**QUALIFIED Assistant** wanted. Please give full particulars of experience, salary required, etc., to Frank A. Rogers, 327 Oxford Street, W.

**UNQUALIFIED Assistant** wanted immediately; ineligible for Army. State age, references, and salary in first letter, Taylor, Gibson & Co., 17 Bigg Market, Newcastle-on-Tyne.

**UNQUALIFIED Assistant** required for a progressive business in the provinces; permanency, with good prospects; must bear a good character and be a competent Counterman and Dispenser. "U." (169/031), Office of this Paper.

**UNQUALIFIED male or female Assistant** required for Counter and Dispensing; in- or outdoors. Particulars to H. G. Phillips, Chemist, Tenby, S. Wales (English population, no Welsh spoken).

**UNQUALIFIED**.—Must be capable and experienced, for Light Retail and Photographic trade; several employed; Midland town. State salary and full particulars to "M.P.S." (169/20), Office of this Paper.

**WANTED** at once, a Junior or Improver (male) for a good-class Country business; easy hours; no Sunday duty; outdoors. Reply, with usual particulars, to 169/37, Office of this Paper.

**WANTED** immediately, qualified Assistant (ineligible or lady); good salary; healthy country district in Nottinghamshire, near Dukeries; recent very good references essential. Latham, M.P.S., Warsop, near Mansfield.

**WANTED** at once, smart qualified Manager for high-class West-End branch; must be well up in Window-dressing and good Counterman; one able to increase business; progressive salary and commission. Apply, fullest particulars, when disengaged, experience, with photo if possible, and salary required, A. J. Carder, 30 Highdowne, Hove.

**WANTED**, elderly qualified Assistant; hours from 11 till 8 p.m. (two hours allowed for meals), Thursdays 11 to 1 p.m. only; salary £2 10s. per week and commission. Apply, with full particulars, The Prosser Roberts Co., Pharmaceutical Chemists, 13 Church Street, Camberwell, S.E.

**WANTED** immediately, capable Assistant, qualified preferred, in healthy Northern suburb; good salary. Apply, "X. Y. Z." (168/6), Office of this Paper.

## WHOLESALE.

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**ANALYTICAL Assistant** (either sex) wanted in Wholesale House, Junior position, but applicant must be a reliable worker and have a sound knowledge. Usual particulars to 170/37, Office of this Paper.

**ARMOUR & CO., LTD.**, require a Representative for the Laboratory Department, residing in N. or E. London or district, for this portion of London and Eastern Counties; also one Representative for the country. Send full particulars to "D. A. N." Laboratory Department, Armour & Co., Ltd., Atlantic House, Holborn Viaduct, E.C.

**ASSISTANT**, used either to Wet or Dry Counter; ineligible. State salary and give usual particulars to Secretary, Hedges (Chemists), Ltd., Birmingham.

**CAPABLE Chemist** required with experience in Manufacture of Pharmaceutical and Toilet Preparations and Perfumery; must be good Manager and supervisor; ineligible; permanency to suitable man. Address, stating age, salary, and experience, to 152/16, Office of this Paper.

**CLERK** wanted shortly with knowledge of the Drug trade. State experience and salary required to R. Sumner & Co., Ltd., 40 Hanover Street, Liverpool.

**MANAGER**.—Wanted, a business man with original ideas to take charge and develop a large department in high-class Packed Medicinal and Toilet Articles; the position offers great scope to a man of experience, ideas, and ability. Apply, stating age, experience, and salary required, to 58/11, Office of this Paper.

**REPRESENTATIVES** wanted on commission for the sale of Epsom and Glauber Salts; only those with good sound connection amongst Retail Chemists need apply. Reply, in confidence, with fullest particulars, to "S. F." (169/18), Office of this Paper.

**THE Waukwell Boracic Sock Co.** require Travellers calling upon Chemists, for Line on a commission basis; live men will find this an excellent selling Line. State territory covered, also send reference, to 269 West End Lane, West Hampstead, N.W.

**TRUSS and Belt Fitter (lady)** wanted for leading London house; must be experienced; good wages. Apply "S. J. C." (58/33), Office of this Paper.

**WANTED**, good Salesman, calling on first-class Wholesale houses and Stores in the provinces, to take up a well-established and easy-selling article as Side-line. 60/19, Office of this Paper.

**WANTED**, youth with some Chemical training for Laboratory of Manufacturing Chemists; good opportunity for suitable Junior. Apply, with full particulars, to "C." Messrs. E. T. Pearson & Co., Ltd., Loudon Road, Mitcham.

**WANTED**, lady Typist, with some knowledge of the Drug and Chemical trade as Assistant in Buying Department of City Export Office; hours 9.30 to 6, Saturdays 1. State experience and salary, by letter, Box G.346, c/o Dawson's, 121 Canon Street, E.C.



## SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

**3s. 6d.** for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

**CALCUTTA.**—Qualified Assistant, free from military service, for large European House; 4 years' agreement; salary 275 rupees a month, second year 300 rupees per month, third year 325 rupees per month, fourth year 350 rupees per month; second-class passage paid out and home; good opportunity for a smart man. Apply "G. K.," Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, E.C.

**EAST INDIES.**—Wanted, for first-class British business, Assistant; rejected or discharged; qualified or unqualified; with Dispensing or Wholesale experience, knowledge both preferred; age 22 to 29; four years' agreement; passage paid. Give full particulars of experience and state present salary, 163/38, Office of this Paper.

**JAPAN.**—Assistant, qualified preferred (three kept), for General Family Dispensing business; short hours; ineligible for Army. For terms apply to J. W. Franklin, 28 Alceyn Road, West Dulwich, S.E.

**NAIROBI, British East Africa.**—Qualified Assistant required; exempt from military service; young man who has passed his Minor about three years; agreement for three years; salary £20, £25, and £30 per month respectively; passage paid out and home. Apply "G. K.," Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, E.C.

**SHANGHAI.**—Qualified Assistant required in old-established high-class English House; ineligible for military service; English-speaking Belgian would be considered; liberal terms and conditions. Full particulars to "Shanghai" c/o Street's, Cornhill, E.C.

## SITUATIONS WANTED.

**1s.** for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

### [HOME.] RETAIL.

**A**N elderly Chemist who has recently sold his own business is desirous of obtaining permanent post as Manager; near London. "Capable" (168/3), Office of this Paper.

**A**POTHECARIES' Student, passed Theory, part-time Dispensing; Hospital. "H.," 56 Longton Grove, Sydenham.

**A**S Locum; qualified; disengaged 7th inst.; good experience and references. 167/40, Office of this Paper.

**A**S Locum; reliable; experienced; unqualified; excellent references; disengaged. 171/13, Office of this Paper.

**A**SSISTANT; 31; unqualified; Counter, Dispensing, and Optic; exempt. State salary, 167/36, Office of this Paper.

**A**SSISTANT, unqualified, seeks situation; permanency preferred; 6 years' experience; good knowledge of Counter work and Dispensing; age 22 years; height 5 feet 9 inches; ineligible. State salary given and hours of business, 167/10, Office of this Paper.

**A**SSISTANT, age 20, Army discharge, N.H.I. and general Retail, or as Salesman for good Sundry or Drug House, wants situation; smart, good appearance. 167/4, Office of this Paper.

**A**SSISTANT; unqualified; age 33; ineligible; disengaged; 17 years' all-round experience; London preferred. "Ability," 532 Cavendish Road, Balham, S.W.

**A**SSISTANT; unqualified; Counter, Dispenser, Extractor; over military age; single. "Sodium" (169/21), Office of this Paper.

**A**SSISTANT or Branch; 45; twenty years' good all-round experience; 8 years Manager; unqualified; single. 169/35, Office of this Paper.

**B**RANCH Manager or Assistant; unqualified; age 45; country preferred; good references; all-round experience; active. 168/18, Office of this Paper.

**C**HEMIST, qualified, ineligible, desires post as Manager or Locum; thorough knowledge every branch; highest references. Guna, c/o Miss Shillito, 68 Savile Road, Dewsbury.

**C**HEMIST and Dentist Assistant; used to Vulcanite work, N.H.I. Dispensing; married; age 31; exempt; 11 years last place. Hamilton, 31 Buckstone Road, Edmonton.

**C**HEMIST, with knowledge of Dentistry; married; 12 years' high-class Dispensing and Counter experience; interest considered. Hughes, M.P.S., 74 Canning Street, Liverpool.

**D**ISPENSER, some Retail experience, seeks employment. Mondays, Saturdays, and an evening or two weekly; London or near; permanent; Hall certificate. 167/34, Office of this Paper.

**D**ISPENSER requires responsible position; many years' Doctor's and Institution experience, some Counter; abstainer; ineligible. "R. C.," 31 Tite Street, Chelsea.

**D**ISPENSER or Secretary-Dispenser (woman); Hall qualification; competent Shorthand Typist; in or near London preferred; free end of September and part-time during September; good references. 166/22, Office of this Paper.

**D**ISPENSER (ineligible) desires post with Doctor; several years' experience; first-class references; North or Midlands preferred. 158/34, Office of this Paper.

**D**ISPENSER; disengaged; Hall qualification; over military age. "J.," 158 Canterbury Road, Folkestone.

**H**OSPITAL Dispenser, Locum; qualified. T. Irving, 66 Rowfant Road, Balham.

**L**ADY Dispenser, partly qualified, seven months' experience, wishes part day or evening work. "R.," 17 Montpelier Street, Brighton.

**L**ADY Dispenser, Hall qualifications, desires post; Doctor preferred. 165/19, Office of this Paper.

**L**ADY Dispenser seeks afternoon employment locally. "M. C.," 8 Kingsley Road, Forest Gate, E.

**L**ADY; 23; 6 years' experience, Stock and Counter; post as Improver desired; London district preferred. State terms to "Radox," 46 Val Plaisant, Jersey.

**L**ADY Dispenser (Hall), desires post with Doctor, Hospital, Institution; London preferred; free October 2nd. 169/4, Office of this Paper.

**L**ADY Dispenser, experienced, desires situation Birmingham or district; good references; Chemist preferred. 171/1, Office of this Paper.

**L**OCUM Dispenser; qualified; exempt. "P.r.n.," 14 Crown Road, Twickenham.

**L**OCUM or permanent; qualified; reliable; age 47; married; knowledge of French and Italian; provincial, seaside, London experience. "Vir," 32 Cambridge Avenue, Kilburn, N.W.

**L**OCUM; provincial preferred; qualified. West, 47 Vicarage Road, Leyton, London, N.E.

**L**OCUM; September 17 to 24 inclusive; moderate terms; smart, modern; unqualified; would entertain permanent evening relief. "M.," 11 Lucerne Road, Thornton Heath.

**L**OCUM; 29; good Retail, Dispensing, Photographic experience; height 5 ft. 7½ in.; disengaged September 16. "Chemicus," 42 New Street, Salisbury.

**M**ANAGER; reliable; experienced; permanency; view to succession or purchase; thoroughly competent in every branch; Lancashire preferred though not essential; character stand strict investigation. State salary and prospects, 169/10, Office of this Paper.

**M**ANAGER or Assistant: 45; married, no family; unqualified; first-class Dispenser and Counterman. State hours, 169/24, Office of this Paper.

**M**ANAGER; 42; experienced; reliable; easy succession; unqualified. "Energy," 1 Alexandra Mansions, Clapham, S.W.

**P**HARMACIST engaged in City Office, with 30 years' exceptional experience in Retail, Wholesale, Manufacturing, and Shipping, could employ a little spare time daily in looking after the interests of provincial House on 'Change, or in other responsible confidential capacity. For interview address 170/39, Office of this Paper.

**Q**UALIFIED, retired Chemist requires light work; moderate salary; permanency; good experience. 168/17, Office of this Paper.

**Q**UALIFIED (42) seeks situation Liverpool vicinity; good experience; at liberty. 169/3, Office of this Paper.

**Q**UALIFIED as permanent Manager or Locum; disengaged middle September. "Rex" (171/12), Office of this Paper.

**U**NQUALIFIED; 31; Assistant or Locum; disengaged; excellent references. State salary and particulars to 168/10, Office of this Paper.

**U**NQUALIFIED seeks permanency; Manchester district or country; married; 32; ineligible; excellent testimonials. Reply, "E. T." (169/11), Office of this Paper.

**Y**OUNG lady with three years' experience seeks post as Junior end of September. Evans, Glyn, New Quay, Cardiganshire.

**Y**OUNG lady (Hall), desires part-time, Hospital or Doctor, London; very moderate salary, but wishes to be useful. "M. A.," 25 Acacia Road, N.W.

**Y**OUNG lady wishes post as Dispenser; good College training and Institution experience; speaks French; unqualified. 168/29, Office of this Paper.

**Y**OUNG lady seeks situation Retail; experienced Toilet and Perfumery, etc.; slight knowledge of Drugs. 171/2, Office of this Paper.

**£2** 2s. **INDOORS.** £5 7s. out; excellent references; every experience; 31; tall; Locum, temporary or permanent; definitely ineligible; disengaged three weeks hence. "Davids," c/o Mr. Hall, Chemist, Skegness.

**L**ONDON or Suburbs.—Ex-Pharmacist (Minor man), now in Wholesale, needs furnished House or Flat, two to three bedrooms; could give help in off-time. 171/4, Office of this Paper.

## WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

**A**DDITIONAL commission required for Scotland, to work with Toilet Preparations; salary or part expenses; live connection Chemists, Stores, etc.; over military age. 167/23, Office of this Paper.

**A**DVERTISER, residing Portsmouth, age 41, desires to Represent good firm in either Drugs, Chemicals, Optical Goods, and Chemists' Sundries, or other Products, in the Southern and South-Western Counties, or would take up Agencies; good references; experienced. Richard, 100 Stormont Road, Clapham Common, S.W.

**G**ENTLEMAN, young, ineligible, seeks permanent and progressive position of responsibility; extensive knowledge Sundries, Dressings, and Surgical; first-class experience in Office, Warehouse, Travelling. Apply, 168/4, Office of this Paper.

**T**RAVELLER, ineligible, experienced, Retail, Wholesale, and Road, desires permanency, Drugs, Sundries or Proprietaries. 169/240, Office of this Paper.

**U**NIVERSITY Graduate desires post as Manager of Laboratories Manufacturing Galenicals, Perfumes, Toilet Preparations; good organiser; has had American and British experience exploiting products; could undertake Sales management; well up in Pharmacy and Medicine. 165/23, Office of this Paper.

## MISCELLANEOUS.

**C**OMPLETE Fittings for large-sized Pharmacy (Second-hand); 16-ft. plate-glass Wall Case, 9-ft. bent front Dispensing Screen, 16-ft. Drug Fitting, 14-ft. Sundries Fitting, 4-ft. "All Glass" Counter, 12-ft. glass-fronted Counter, two 4-ft. Nests Counter Drawers, Perfume Case and Desk, Bent-fronted Silent Salesman, 7-ft. plate-glass Counter Case; £150 the lot; worth £450; would sell separately. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C. Established 90 years.

**S**ECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

**C**HEMIST'S good second-hand 12-ft. Mahogany Drug Fitting, 6-ft. Mahogany Dispensing Screen and Counter, 4-ft. Mahogany Wall-case, 10-ft. Glass-fronted Counter; Nest of Counter Drawers; Perfumery Case and Desk; 4-ft. Bent Glass Counter Case; the lot £45; bargain; cheapest house for Window Enclosures, Mirrors, Glass Shelves, modern Shop Fronts, Improvements, etc.; plans prepared; estimates free. Mills, Shopfront, Shopfitting, and Glass Facia Works, 163-165 Old Street, London, E.C. 'Phone London Wall 550.

## TO WHOLESALE CHEMISTS, SHIPPERS, etc.

We compress tablets from your own ingredients or otherwise, plain or coated. Large quantities dealt with quickly. Superior Machinery and Scientific Control.

Lowest quotations for Cascara tablets in bulk.

**R. GIBBINS & CO.,** 1 Birkbeck Road, Kingsland, LONDON, N.E.

## THERE IS MONEY TO BE MADE

in the PHOTOGRAPHIC DEPARTMENT of your business, but the work must be well and quickly done. We are Experts, and return the work 9 hours after we receive it. Send for our List, and give us a trial.

**STEAD & CO.,** Photographic Experts, DUKE STREET, BRIGHTON.

## WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

### TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

## WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Carlsbad sprudel salts Phenacetin (169/14)  
(167/19) Saccharin (169/14)

## FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Acid. acetylsalicyl., $\frac{1}{2}$ lb. (168/26)	Phenacetin, $1\frac{1}{2}$ lb. (166/5)
Bromural, 1 oz. (168/26)	Phenacetin, 3 lb. (171/3)
Chinosol powder, 1 oz. (168/26)	Pyramidon, 1 oz. (168/26)
(168/26)	Resorcin, 4 oz. (168/26)
Chinosol tablets, 4 oz. (168/26)	Salol, 3 oz. (169/19)
(168/26)	Soda benz., 1 oz. (169/19)
Guaiacol carb., 8 oz. (168/26)	Theocin sod. acetat, 2 oz. (168/26)
Orthoform, 1 oz. (168/26)	Trional, 1 lb. (169/14)



# EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

## FOR DISPOSAL.

### DRUGS AND CHEMICALS.

QUININE phosphate, Howard's, 8 oz.; what offers? Critchley, Chemist, Blackburn.

3 OZ. quinine sulphate, 10s.; 4 oz. ferri et quin. cit., 4s. Ingleston, 17 Yardley Street, Sheffield.

1 LB. sod. form. 2s.; 1 oz. caffeine cit., 2s.; 4 oz. acid. acetyl-salicyl., 9s.; 4 oz. phenacetin, 16s. J. Wellspring & Co., Chemists, 47 Bedford Street, Strand.

6 PHIALS B. W. & Co. conc. diphtheria antitoxin, 2,000 units, 6 phials ditto 4,000 units, 1 oz. quinin valerian, 2 gross 2d. and 3d. Steiner's vermin-killer. Allan, Chemist, Kelso.

WHAT offers? 4 oz. metol agfa, 4 oz. hydroquinone, 4 oz. monomet, 12 Johnson's gold 15 grs. Ruoff, Pharmacist, Portsmouth.

### OPTICAL AND PHOTOGRAPHIC.

5,000 photo mounts, bristol, g.b.e., slip in, assorted sizes, albums, half-plate frames, quarter-plate print washers, etc. Ballingall, Kelvinbridge, Glasgow.

### MISCELLANEOUS.

BACK numbers "C. & D." clean; 1/2 gall. C.-L. oil; what offers? 167/03, Office of this Paper.

2 GROSS Brown's clothes sticks, 36 cuticura pills, 23 Munyon's, 34 Allen's foot-ease; sale or exchange. Savage, Lesterhill, Bradford.

## WANTED.

7 LB. camphor (1/2 oz.). Price, 167/3, Office of this Paper.

BONE shields and soothe mounts, any quantity bought for cash. John Quilliam & Co., Ltd., Canterbury Works, Victoria Bridge, Manchester.

WANTED, Zeiss Abbé refractometer; perfect condition. 166/7, Office of this Paper.

MICROSCOPE wanted; must be cheap. Apply, 4 Andover Terrace, Holly Road, Weymouth.

PHARMACEUTICAL Journal Formulary, one or two copies required. Write, stating price, Harkness, Beaumont & Co., Wholesale Druggists, Edinburgh.

MUTER'S School notes (chemistry and botany); any old copy if complete; advertiser studied at Muters, and would value old "notes" in helping apprentice. Bustard, 173 St. Ann's Road, Tottenham.

SET of shop rounds; good condition. Number and price to 26 Pleydell Avenue, Hammersmith.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

## Austrian News.

ACCORDING TO A DECREE of July 1, the stocks of rapeseed, rapeseed oil, and oilcakes have been commandeered in Austria-Hungary.

LINSEED WANTED.—The Austrian Home Department commandeered on June 26 all stocks of linseed exceeding 30 kilos. It was sold to the Oesterreichische Oel und Fett Zentrale A.G. at from 150kr. to 130kr. per 100 kilos.

DRUG-CULTIVATION.—Lectures on the cultivation of medicinal plants are being delivered by Dr. Franz Darvas at a school for disabled soldiers in Budapest. A botanical garden for experimental cultivation of drugs by soldiers is at their disposal.

GERMAN PERFUMES PROHIBITED.—The Austrian Government has prohibited the transit of alcoholic perfumes of German origin through Austria. The reason is not known, but the high price of the perfumes is thought to be the cause. The German Government does not object.

## Practical Notes and Formulas.

### Milk of Bismuth.

ACCORDING to the "American Druggist," the following formula is included in the new United States Pharmacopœia:

Bismuth subnitrate	...	...	80 grams
Nitric acid	...	...	120 c.c.
Ammonium carbonate	...	...	10 grams
Ammonia-water,			
Distilled water, of each sufficient			
to make	...	...	1,000 c.c.

Mix the bismuth subnitrate with 60 c.c. of distilled water and 60 c.c. of nitric acid in a flask, agitating and gently warming until solution is effected. Pour this solution, with constant stirring, into 5,000 c.c. of distilled water containing the other 60 c.c. of nitric acid. Dilute 480 c.c. of ammonia-water with 4,000 c.c. of distilled water in a glazed or glass vessel of at least 12,000-c.c. capacity. Dissolve the ammonium carbonate in this solution, and quickly pour the bismuth solution into it, with constant stirring. If the mixture is not now distinctly alkaline, add enough ammonia-water to render it so, and allow it to stand till precipitate has subsided. Decant the supernatant solution, wash the precipitate twice with distilled water, decanting each time. Transfer the magma to a strainer of close texture arranged in a percolator for continuous washing with distilled water. Wash until the filtrate no longer shows any reaction with phenolphthalein test-solution. Drain the moist magma, transfer to a graduated vessel, and add enough distilled water to measure 1 litre.

### Chlorine-gas Apparatus.

In the nascent-iodine treatment of tuberculosis potassium iodide is administered, and from two to five hours afterwards chlorine-water is given with the idea of liberating iodine in the region of tuberculous tissue. To make the fresh chlorine-water a method is needed which prevents the escape of chlorine. Mr. Edward Bigg, B.C., Nordrach, Bristol, supplies in the "British Medical Journal" (1916, II., p. 256) the following particulars of an apparatus which he has devised for preparing chlorine-water:

Take a 40-oz. stoppered bottle and charge with 35 oz. cold water. Prepare a smaller bottle (2 to 4 oz. capacity) with a neck of the same diameter as that of the 40-oz.; choose a sound wine-cork which will fit both snugly, perforate for a glass tube, and cut a tube of such length that, when connected, it will reach to the bottom of the 40-oz. and half the depth of the smaller bottle. See that the fitting is correct, and that the two bottles can be connected easily and firmly. Then charge the smaller bottle with 1 1/2 dr. of powdered potassium chlorate; add 3 dr. of pure hydrochloric acid, and rapidly and carefully insert the short limb of the tube, avoiding the entrance of the effervescing mixture into the tube by sloping the apparatus and inverting it. Then plug the cork into the 40-oz. bottle, when gas will at once bubble up through the water. Leave the apparatus for three or more hours, when the reaction will be complete. Wash the residuum from the smaller bottle in the open air (or it may be added to the contents of the 40-oz. if it is desired to use the potassium chloride which remains):





Telegraphic Address.  
"CRESSWELL, WESTCENT, LONDON."

WORLD'S HEADQUARTERS FOR

Telephone:  
No. 1432 HOLBORN.

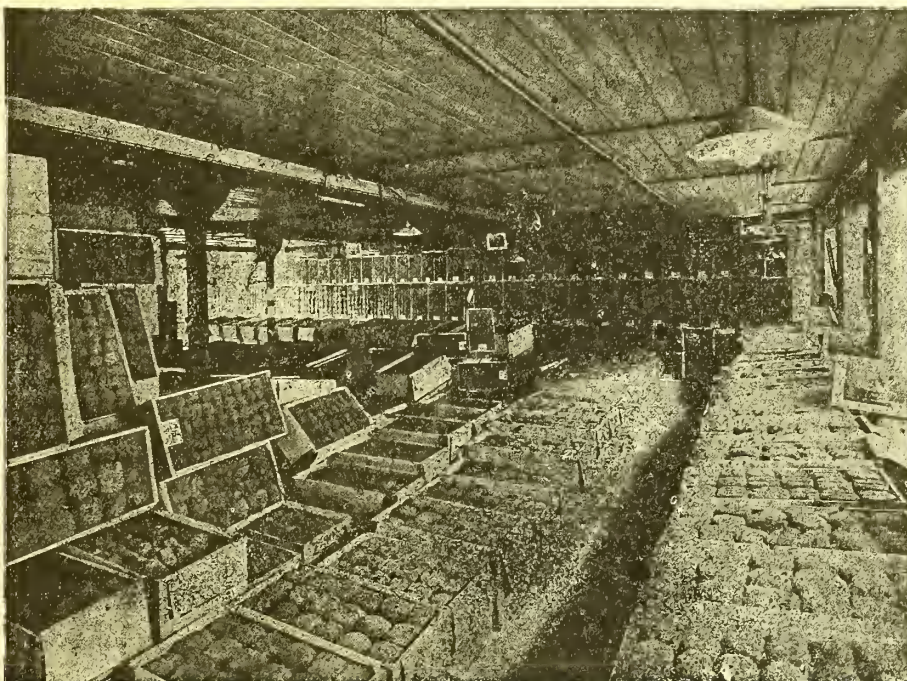
# SPONGES

INTERNATIONAL SPONGE IMPORTERS, LIMITED.

## CRESSWELL BROTHERS

Sponge Importers, Exporters and Merchants, and Chamois Leather Dressers,  
18 & 19 RED LION SQUARE, New Warehouses and Steam Bleacheries, LONDON, W.C.  
45½ EAGLE STREET.

Largest  
Sponge  
Warehouses  
in the  
World.



Our Stocks  
and  
Selections  
are  
Unrivalled  
in Value  
and Extent.

View of Mediterranean Case Goods Department (Floor Space 3,000 sq. ft.) where Chemists' and Druggists' Sponges are shown.

Buyers are invited to call to inspect our Magnificent Stocks and make their own Selections. Lowest Market Prices. Absolutely Best Values. The following abridged List will serve as a guide to Buyers when writing.

### UNBLEACHED MEDITERRANEAN SPONGES in Original Cases.



HONEYCOMB.		FINEST TEXTURE and SHAPE.	
Extra Choice.		The Pick of all the Fisheries.	
Pieces in Case.	Average Price per Piece.	Pieces in Case.	Average Price per Piece.
300 Toilet	at 9d.	270	at 4d.
250	" 1/-	180	" 9d.
200	" 1/6	170	" 1/-
160	" 2/-	160	" 1/6
140	" 2/6	140	" 2/-
120	" 3/-	120	" 2/6
100	" 3/6	110	" 3/-
90 Medium Bath	4/6	90	" 3/6
80	" 5/6	80	" 4/-
72	" 6/6	75	" 4/6
60	" 7/6	70	" 5/-
45 Large Bath	8/6	65	" 5/6
30	" 10/6	60	" 6/6

HONEYCOMB.		Toilet & Bath	
		Good 2nd Quality.	
Pieces in Case.	Average Price per Piece.	Pieces in Case.	Average Price per Piece.
300	at 4d.	270	at 4d.
250	" 1/-	180	" 9d.
200	" 1/6	170	" 1/-
160	" 2/-	160	" 1/6
140	" 2/6	140	" 2/-
120	" 3/-	120	" 2/6
100	" 3/6	110	" 3/-
90	" 3/6	90	" 3/6
80	" 4/-	80	" 4/-
72	" 4/6	75	" 4/6
60	" 5/-	70	" 5/-
45	" 5/6	65	" 5/6
30	" 6/6	60	" 6/6

FINE TURKEY CUPS		PICKED SHAPES.	
1st Quality.		Average	
Pieces in Case.	Average Price per Piece.	Pieces in Case.	Average Price per Piece.
300	at 1/1-	200	" 1/6
250	" 1/6	150	" 2/-
200	" 2/-	140	" 2/6
150	" 3/-	100	" 3/-
100	" 3/6	90	" 3/6
80	" 4/-	80	" 4/-
70	" 4/6	70	" 4/6
60	" 5/-	60	" 5/-
50	" 6/-	50	" 6/-
Bath	45 " 6/6	Bath	45 " 6/6
Selected	40 " 7/6	Selected	40 " 7/6

FINE TURKEY SOLIDS.		SELECTED SHAPES.	
1st Quality		Average	
Pieces in Case.	Average Price per Piece.	Pieces in Case.	Average Price per Piece.
200	at 6d.	200	" 8d.
150	" 1/-	100	" 1/6
100	" 1/6	100	" 1/9
80	" 2/6	80	" 2/6
60	" 3/-	50	" 3/-
45	" 4/-	36	" 4/-
24	" 5/-	24	" 5/-



### IMPORTANT NOTICE.

THE CONTENTS OF THE ABOVE CASES WILL BE PRESS-PACKED AND SENT POST FREE TO COLONIAL AND FOREIGN BUYERS WITHIN THE RADIUS OF PARCELS POST.

### LOOSE GOODS DEPARTMENT

Sponges in Small Packages. Fine Turkey. Fine Egyptian and Honeycomb. In 1st, 2nd and 3rd Qualities. Bleached or Unbleached (state which in ordering). On Strings of 1 dozen pieces or loose in bags. At per dozen: 2s., 3s., 4s., 6s., 9s., 12s., 15s., 18s., 24s., 30s., 36s., 42s., 48s., 54s., 60s., 66s., 72s. Bleached Cuban. At per String or Dozen. Wool, Grass, Yellow and Fine. 1s., 2s., 3s., 4s., 6s., 9s., 12s., 15s., 18s., 24s.

**NEW VELVET HONEYCOMB.** Soft, Durable and large for money. Suitable for Toilet and Bath purposes.  
PRICES—Cut Shapes ... 3s., 4s., 6s., 9s., 12s., 15s., 18s., 21s., 24s. per dozen.  
Natural Shapes ... 4s., 6s., 9s., 12s., 15s., 18s., 21s., 24s., 30s., 33s., 36s.  
Strongly recommended where an inexpensive Toilet and Bath Sponge is required.



# British Aperient Water

"Aquaperia" is an excellent and efficient Aperient Water to supplant Foreign Mineral Waters of similar character.

Standardised and bottled by CAMWAL, Ltd., at their Spring at **HARROGATE** in handsomely got-up 32—35 oz. bottles (supplied also through any other Camwal Factory).

# "AQUAPERIA"

## A Harrogate Aperient Water

offers a  
Good Margin of Profit.



### WHOLESALE PRICES; HOME TRADE:

7/-	Per Dozen.	Delivered Free within our Van delivery areas from all Factories,
7/-	Per Dozen.	Carriage Paid in England and Wales, if ordered with other goods (of a total weight of over 3 cwt.), or in 6 dozen lots.
7/6	Per Dozen.	Carriage Paid in 2 dozen lots in England and Wales. Smaller quantities Carriage Forward.

Bottles included in the above prices, and allowed for at 1/- per dozen if returned Carriage Paid to any of our Factories. Cases charged, and allowed for on return.

### OPENING ORDER FOR ONE DOZEN

Carriage Paid anywhere in England and Wales.

PRICE 7/-

Terms: Cash with Order.

RETAIL PRICE 1/- MINIMUM (P.A.T.A.) 11d.  
PER BOTTLE. PER BOTTLE.

### FOREIGN AND EXPORT TRADE.

Special F.O.B. Quotations including Bottles, packing and unreturnable Cases.

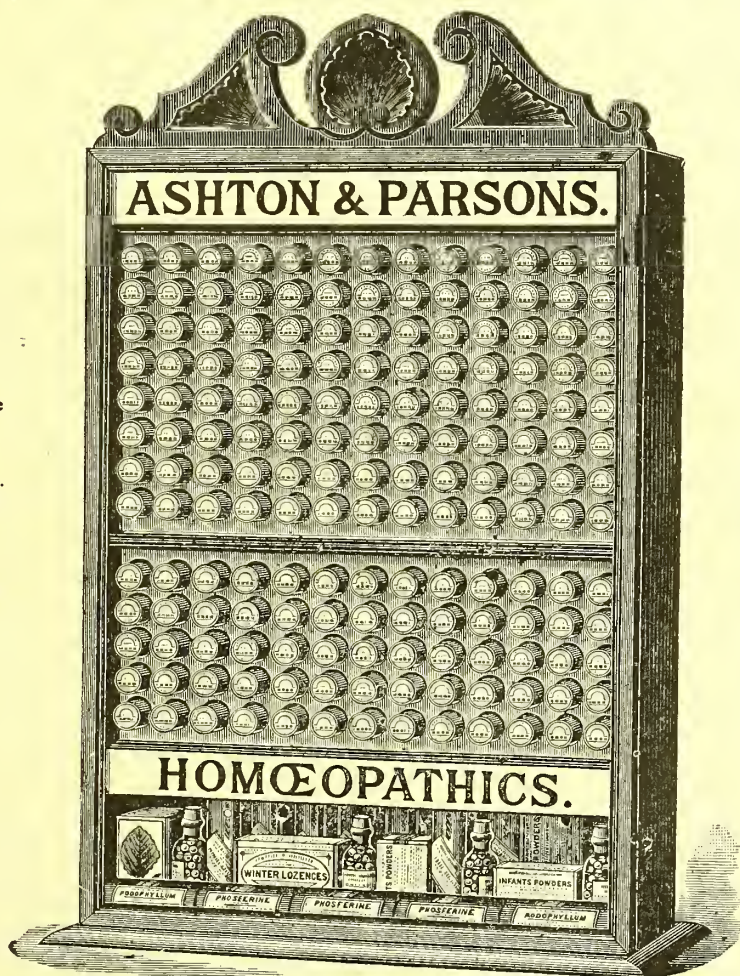
**"CAMWAL"** Ltd.,

Head Office: 112 PEMBROKE ST.,  
LONDON, N

HARROGATE, MANCHESTER, BIRMINGHAM, BRISTOL and MITCHAM.



# ASHTON & PARSONS' HOMŒOPATHIC SHOWCASE



18/-

18/-

**THE "A. & P." SHOWCASE**  
PRICE - - 18/-

ASHTON & PARSONS supply their Showcases at actual cost price  
No need to purchase a large quantity of unsaleable stock to obtain a  
so-called "free" Showcase.

WRITE FOR ILLUSTRATED LIST, POST FREE.

**ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.**

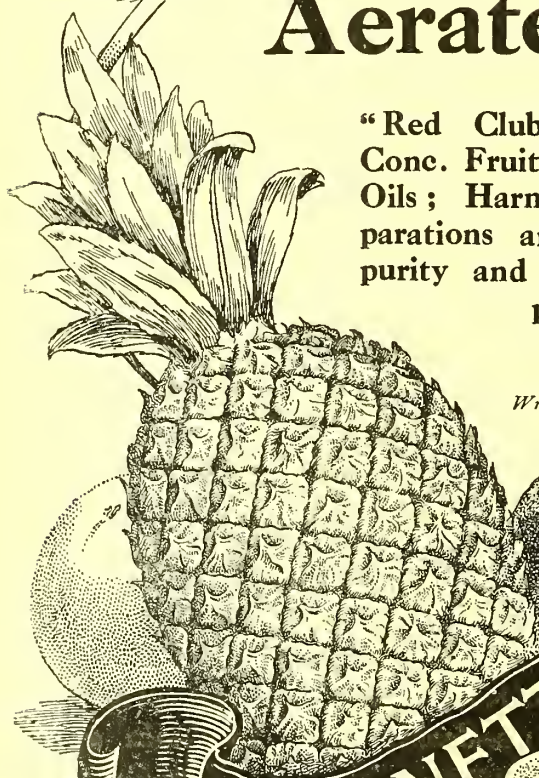




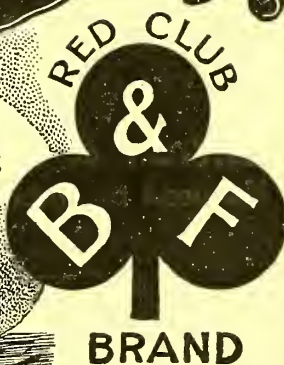
FOR  
**Aerated Waters**

"Red Club" Brand Conc. Soluble Essences ;  
Conc. Fruit and Flavouring Essences ; Essential  
Oils ; Harmless Colourings and Heading Pre-  
parations are famed the world over for the  
purity and refreshing flavour of the beverages  
prepared with their use.

No. 171

*Write Dept. N6. for Price List and Samples.*

**BARNETT & FOSTER** LONDON & ENGLAND





# "PRANA" SPARKLETS

---

## PRESENT PRICES TO THE PUBLIC:

"C" size Syphon - - 5/6.

"B" size Syphon - 4/-

"D" Bulbs (per dozen) 2/6

"B" Bulbs (per dozen) 1/8

"D" BULBS REFILLED AT 1/9 PER DOZEN.

## IMPORTANT NOTICE TO THE TRADE.

- ¶ Every empty "D" Bulb returned to be re-filled saves the making of a new Bulb at our Works, and consequently economises both time and material for the production of ammunition.
- ¶ THE TRADE IS URGENTLY REQUESTED TO ASSIST US IN SUPPLYING MILITARY REQUIREMENTS BY FORWARDING TO OUR WORKS AT ONCE ALL EMPTY "D" BULBS RETURNED BY USERS IN EXCHANGE FOR NEW ONES, & BY REMINDING CUSTOMERS THAT THESE EMPTY BULBS ARE WORTH 9d. DOZ.
- ¶ As the manufacture of "Prana" Sparklets is necessarily of secondary importance during the War—except for the needs of the British Expeditionary Forces and Red Cross Hospitals—the general requirements of the Trade this Summer can only be met by the co-operation of the Trade itself in returning as many empty "D" Bulbs as possible, without delay.

## AERATORS LIMITED

"Prana" Sparklet Works, Upper Edmonton, N.



*The best and most profitable*

**CEREGEN** PROTEID  
PHOSPHATE

**LYSOL "BELL"** PATHONE

**British Made & British Owned**

JOHN BELL, HILLS & LUCAS, LTD.  
Oxford Works, Tower Bridge Road, London, S.E.

**DISINFECTANTS**

Supplied in Fluid and Powder Form. With guarantee of Tar Acids or Co-efficiency.

**LIQUID SHEEP DIP**

Paste and Block Form also supplied. All approved for Sheep Scab.

Chemists and Druggists may offer the above goods under their own name and brand.

**"IALINE"-LYSOL, BRITISH-MADE.**

**BURT BOULTON & HAYWOOD LTD.**

Head Offices: 64 CANNON STREET, LONDON, E.C.

Chemical Works: Prince Regent's Works, Silvertown, E.

*A guarantee Cadbury's Cocoa Essence (unflavoured)  
is absolutely pure & prepared only from the finest selected Cocoa*

PATTINSON'S

**MAGNESIA**

CARBONATE, CALCINED AND FLUID.

THE WASHINGTON CHEMICAL CO., LIM., WASHINGTON, COUNTY DURHAM, ENGLAND.

London Agents—Messrs. CLIFFORD CHRISTOPHERSON & CO., 21 Mincing Lane, London, E.C.

